Technical Specification Group Services and System Aspects   *version 0.0.3*
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Draft Report

Contents

1 Opening of the meeting

Mr. Niels Peter Skov Andersen, TSG SA Chairman, opened the meeting and welcomed delegates. An opening address was provided by Mr Hong-won Kim, Director of the Standardization Department of the Telecommunications Technology Association (TTA) who hosted the meeting on Cheju Island, South Korea.

He thanked delegates for their attendance to the meeting and Ms. E. Wurffel, MCC, for her great help in the organisational arrangements for the meeting.

2 Approval of the Agenda

TD SP-020001 Draft agenda for TSG SA meeting#15. The draft agenda was reviewed and approved

3 Approval of the meeting report of TSG-SA Meeting # 14

TD SP-020002 Draft Report for TSG SA meeting #14 - version 0.0.4. The draft report of the previous meeting was reviewed and approved.

4 Items for immediate consideration

TD SP-020122 The need for 3GPP long-term evolution. This was introduced by the DTI (UK) and proposes that an ad-hoc group is established, reporting to TSG SA, with the mandate to draft by September 2002 an initial version of a long-term vision (e.g. 2003-2010), along with the required standardisation path in 3GPP. It was decided to set up a small ad-hoc group during the meeting to discuss this further and provide input to the meeting under agenda item 8.9.

5 Reports from TSG SA ad-hoc meetings

There were no contributions under this agenda item (no ad-hoc meetings held since TSG SA#14).

6 Letters / Reports from other groups

6.1 TSG-T, TSG-CN, TSG-RAN, TSG-GERAN

There were no contributions under this agenda item.

6.2 Partners and their bodies

TD SP-020004 LS on Speech Codecs references in GERAN specifications. This was introduced by the GERAN Chairman and asked TSG SA to provide guidance about the use of a common sub-set of AMR-WB speech codec for WB telephony services in UTRAN and GERAN. Results show that only 4 of the 9 modes available for AMR-WB provide the best and mutually similar performance, and these would probably be chosen by operators for support of WB telephony service, and no extension to the specifications would then be needed to allow 9 modes over the current maximum of 8 modes. A reply had been provided by SA WG4 in TD SP-020009 on this question which was presented by the SA WG4 Chairman.

TD SP-020009 LS from SA WG4: Reduction of the number of AMR-WB modes for speech telephony service. This was introduced by the SA WG4 Chairman and reported that SA WG4 had agreed the requirements for a terminal regarding 5 modes: The three lowest modes (12,65, 8,85, 6,60) shall be supported in all RATs (GERAN-GMSK, GERAN-8PSK TCH/F and TCH/H, UTRAN); and the two highest modes (15,85, 23,85) shall be supported in GERAN-8PSK TCH/F and UTRAN channels. Therefore a reduced set of modes would be reasonable from the speech and coding experts viewpoints. There were no objections to reducing the number of modes for the WB telephony service and SA WG4 were therefore asked to make the necessary changes in the specifications for the next meeting. Other TSGs were asked to also take the impact of this into account in their specifications. In particular, TS 26.103, SA WG1 requirements and the UE capabilities in T WG2 should be checked.

TD SP-020146 Forwarded LS from SA WG4 on mandatory support of UMTS AMR2 in dual mode terminals. This was introduced by the SA WG1 Chairman and requested clarification of the support for AMR2. TSG SA agreed that the SA WG1 specification provided the default requirements and the SA WG4 specifications should reflect this as provided in the LS.

6.3 Others

TD SP-020155 Liaison Statement on Agreed Position on the question of 3 digit MNCs. This was presented by the TSG SA Chairman and reported that the GSME had organised a workshop in order to bring together all players involved during the last year and a half in the discussions on 3 digit MNCs, to clarify the outstanding questions surrounding the need for the introduction of 3-digit MNCs and come to a common conclusion on the subject. Based on discussions and analyses provided at the workshop agreed that no further work was needed on the question of 3 digit Mobile Network Code. **TSG SA agreed with the conclusions on there being no further work needed on the subject of 3-digit MNCs.** Mr. S. Mecro agreed to draft a response to this stating TSG SA's agreements which was provided in TD SP-020157 which

was reviewed and approved.

7   Reports from TSG-SA Working Groups

7.1   TSG-SA WG1

7.1.1   Report from TSG-SA WG1 and review of progress

TD SP-020041 Status report of SA1 to SA #15. The status report of SA WG1 activities since TSG SA#14 was presented by the SA WG1 Chairman using the slides provided in TD SP-020040.

Questions:

Slide 8: Functional split of CAMEL under discussion - It was clarified that there was a CR to this meeting, and this could provide a starting point for the discussions. CN WGs would like information before June 2002.

Slide 4: The number of different working groups was questioned as companies may have problems finding resources to cover all SWGs. Also that the amount of work attempted should be limited in order to keep the quality and timescales for the work in SA WG1 and other impacted groups under control. The SA WG1 Chairman responded that this had not been raised in SA WG1, and he welcomed proposals for prioritisation in SA WG1, but did not think that SA WG1 should be instructed on the organisation of their work, directly by TSG SA. Members were asked to consider in general the priorities of the work currently ongoing in the WGs, in order to ensure that no serious overload conditions will appear in certain areas due to non-essential work using up resources.

Slide 9: Push - It was clarified that there had been some early activity in Multi-modal Push, which consisted of, say, sending both speech and visual information to the user.

Slide 22: IP Based Services Framework: TSG SA guidance was requested on the way forward. It has been the experience in the past that the request for progress on work areas is only feasible when a specific group is tasked with a single goal of providing the testing specification work, etc. TSG SA advised that SA WG1 provide only the sections that are not marked as incomplete for Rel-5, and not spend resources trying to complete the items with little progress. The remaining document can then be completed for June 2002 with a recommendation whether this should be converted to an internal 3GPP report.

Slide 8: Moving tables in Annex of 22.078 to CN WG2 documents: It was clarified that CN WG2 had been contacted on this to check there are no problems with removing the tables, which should be covered in 23.078.

Slide 20: "In Rel-5 the ISIM application shall require the presence of a USIM application on the same UICC" - There was a CR presented explaining this in more detail.

The SA WG1 Chairman was thanked for his report, which was then noted.

7.1.2   Questions for advice from TSG-SA WG1

TD SP-020005 Liaison Statement on Generic User Profile Stage 1. This was introduced by the SA WG1 Chairman and informed TSG SA that SA WG1 have been working on this and updated the GUP service description. The LS was noted.

TD SP-020006 LS on 3GPP System – WLAN interworking. This was introduced by the SA WG1 Chairman and asked TSG SA to approve the updated 3GPP System - WLAN Interworking work item (originally approved in TSG SA #13) so that it includes also creation of stage 1 specifications for scenario 2 type of WLAN interworking for 3GPP release 6. (The attached WID was also provided in TD SP-020066 and was considered here). It was clarified that Motorola are included in the WID as supporting company in TD SP-020066. The WID on WLAN interworking of TD SP-020066 was approved. The LS was noted.

TD SP-020008 Liaison from SA WG1 to WAP Forum regarding DRM requirements. This was introduced by the SA WG1 Chairman and was provided for information. (This also covered contribution TD SP-020061). The LS was noted.

7.1.3   Approval of contributions from TSG-SA WG1

CRs:

TD SP-020042 CRs to 22.011 R99/Rel-4 on clarification of the term 'country'. The term "Mobile" should be changed to "UE". The CRs were updated in TD SP-020158 which was approved. It was agreed that the Note should be inserted after the paragraph containing the word "Country" when implementing this CR.

TD SP-020043 CRs to 22.071 R99/Rel-4/Rel-5 on Closure of a loophole in the privacy settings. These CRs were approved.

TD SP-020044 CRs to 22.078 R99/Rel-4/Rel5 on removal of handling of e-parameters provided by the SCP.

These CRs were approved.

TD SP-020045 Editorial CRs to various TSs to correct terms and references. These CRs were approved. It was noted that the Editorial changes were approved to Rel-5, and reflected into Rel-4 TD SP-020067 was related to these CRs (see below).

TD SP-020067 Proposed CR to 22.060: Editorial CR to correct terms and references (Rel-4) This was introduced by Lucent Technologies. It was explained that this had not been seen by SA WG1. The SA WG1 Chairman reported that this was equivalent to a contribution which had been seen at SA WG1, and they had accepted that Lucent provide a CR to TSG SA. The CR was then approved.

TD SP-020046 CRs to 21.905 on definitions and abbreviations. There was a question as to whether SA WG5 had seen these CRs already as they had only been sent to them recently. These CRs were approved and other groups were asked to check whether these definitions caused and definition discrepancies.

TD SP-020047 CRs to 22.071 Location Service Rel-5 on various issues. These CRs were approved.

TD SP-020048 CRs to 22.078 CAMEL Rel-5 on various issues. These CRs were approved.

TD SP-020049 CR to 22.101 Service principles Rel-5 on IMS access. The retrieval of the Identity for a Release 1999 UICC was questioned. This CR was approved. Some feedback may be sent to SA WG1 on authentication issues as a consequence of this CR. Contribution to SA WG1 was requested on this issue.

TD SP-020050 CR to 22.101 Service principles Rel-5 on Access to IMS services using ISIM. The co-locating of ISIM and USIM specified in this CR was questioned, as it may be a Rel-5 change only. It was agreed that a note should be included that the implementation should not preclude separation of the ISIM and USIM in future Releases should be added. This CR was approved and SA WG1 was asked to provide an additional CR to clarify this at the next meeting.

TD SP-020051 CR to 22.101 Service principles Rel-5 on USIM support in Rel-5 GSM only terminals. Input from TSG T was requested by SA WG1 concerning the maintenance of TS 51.011. No adverse reaction from T WG3 had been received on this CR. This CR was approved.

TD SP-020052 CR 22.101 Service principles Rel.5 on Service change and fallback for UDI/RDI multimedia calls. This CR was approved.

TD SP-020053 CR 22.115 Rel-5 on Charging and billing. It was asked whether SA WG5 had agreed the content of this CR and clarified that they had not yet seen it. This CR was approved. It was noted that the clause numbering of this CR may be corrected on implementation, following normal practice. SA WG5 should verify the impact of these changes on Charging and Billing.

TD SP-020054 CRs to 22.127 Rel-5 on various OSA issues. These CRs were approved.

TD SP-020055 CRs to 22.140 Rel-5 on various MMS issues. 22.140 CR 011 and CR013 were approved CR010 required further checking and was returned to later in the meeting. A replacement CR010r1 was provided in TD SP-020193 which was introduced by Vodafone and was approved.

TD SP-020056 CRs to 22.141 Rel-5 on various Presence Service issues. These CRs were approved.

TD SP-020057 CRs to 22.146 Rel-5 on various MBMS issues. These CRs were approved.

TD SP-020058 CRs to 22.228 Rel-5 on various IMS issues. Mr. A. Allen (Dynamicsoft) commented that he felt it was a bit restrictive to prevent the user from changing his address as SIP allows multiple addresses per user and the user should be able to switch between addresses. The SA WG1 Chairman explained that this was in fact the intention of the CR (i.e. the user should be able to switch between addresses previously agreed between operator and user). Mr. A. Allen commented that he thought the text could be improved, so it was agreed to ask SA1 to improve the text in this area. These CRs were approved and comments on the changes in CR010 were invited to the next SA WG1 meeting.

TD SP-020063 CRs to 21.905 and 22.105 related to the Streaming Service Stage 1. These CRs were approved.

TD SP-020126 Proposed CRs to 22.101, 22.228: Correction of SIP RFC references. The urgency of these changes which justified bringing them directly to TSG SA rather than via SA WG1 was questioned. It was clarified that the urgency given to the IETF for the work should be reflected in the quick implementation in 3GPP. Given the simplicity of the changes these CRs were approved. Members were reminded of the normal procedures for introduction of CRs via the WGs for agreement.

TD SP-020121 CR to 22.003 v 5.0.0: Circuit Teleservices supported by a Public Land Mobile Network (PLMN). The SA WG1 Chairman reported that a CR on this topic had been considered by SA WG1, but no agreement was reached over some issues. A LS had been sent to GERAN, agreeing on the principle, and that a CR would be produced. Requirement on Network implies only the choice of EFR and NB-AMR. The text did not clarify whether the AMR was AMR1 or AMR2. It was considered that the outstanding issues justified an update to the CR which was allocated to TD SP-020164 which was introduced by Siemens. The Chairman asked whether AMR covered all types of AMR (e.g. AMR2 in GSM). It was reported that this covered all AMR types and the CR was approved.

TD SP-020195 CR to 22.140 on Automatic bearer selection for MMS delivery and submission (Rel-5). This was introduced by T-Mobile. The TSG SA Chairman asked for the justification of submitting this directly to TSG SA and not via SA WG1 and the response was that this was due to the time limitations. The SA WG1 Chairman reported that this had not been dealt with in SA WG1 as it was not considered to be a Rel-5 subject in SA WG1. The TSG SA Chairman asked for verification that the list of affected specifications was complete. It was clarified that this would require a list of Preferred Bearers to be added to the USIM and therefore there is an impact on the USIM specifications (which should have been indicated on the CR cover sheet). TS 23.140 would require a CR to specifiy that the user has the possibility to change the bearer. The approved CR013 to 22.140, in TD SP-020055 allowed the storage of sets of configuration information on the USIM. No incompatibility was identified between these two CRs. If any conflicts are found in the implemented CRs, then a further CR should be input to SA WG1 to clean up the text. The CR was then approved.

TSs and TRs:

TD SP-020059 TR 22.934, V1.0.0 "Feasibility study on 3GPP system to Wireless Local Area Network (WLAN) interworking" Rel-6. This TR was provided for information and was noted. Delegates were invited to provide feedback on this TR to SA WG1.

TD SP-020060 TR 22.950, V1.0.0 "Priority Service Feasibility Study Report" Rel-6. This TR was provided for information and was noted. It was noted that some clean-up of tables was needed. Delegates were invited to provide feedback on this TR to SA WG1.

TD SP-020061 TS 22.242, V1.0.0 "Digital Rights Management; Proposed Stage 1" Rel-6. This was dealt with in TD SP-020008 and was noted.

TD SP-020062 TS 22.233, V2.0.0 "Transparent End-to-End Packet-switched Streaming Service Stage 1" Rel-5. Motorola asked for clarification on section 5.4 (last bullet) where the transmission had to be error-free, implying a large number of re-transmissions in poor transmission situations. The SA WG1 Chairman agreed that this needed to be clarified that the requirement is to keep the same service level (QoS) by a further CR to this text. The addition of a default Codec to be specified from the list given of optional Codecs was requested. SA WG1 and SA WG4 were asked to consider this request and report back their conclusions. The SA WG4 Chairman reported that this was a subject in the SA WG4 report, and that the choice of default Codecs was more relevant to SA WG4 work than SA WG1. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

   NOTE: The update of the references to remove ETSI ETS documents was requested by MCC, before initial publication. This proposal was rejected because no changes from the Scope up until the Change History can be made without a CR once the document is under change control. Correction of this should be done as part of the normal CR procedure.

TD SP-020064 TR 22.944, V2.0.0 "Report on Service Requirements for UE Functionality Split" Rel-5. This TR was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

   NOTE: The relevance of this TR for Rel-5 needs to be taken into account during the review of the Work Plan for Rel-5.

WIDs:

TD SP-020065 Various New WIs for Approval. The OSA enhancements WIs were discussed. SA WG1 were asked to review these and provide updates as necessary. The Presence service was questioned, and the inclusion of Presence 1 and Presence 2 in Rel-5 when Presence 2 was not likely to be available in time for Rel-5. It was agreed that these 2 WIs would be **accepted at the Feature level,** and would be reviewed for their timescales and updated as necessary. Siemens requested to be added to the IMS Group Management WID as supporting company. Siemens as Dynamicsoft agreed support for IMS messaging. Nokia confirmed that they would provide Mr. Juha Kalliokulju as Rapporteur. These changes should be added at the next update of the WID. These WI descriptions were approved.

   Various New WIs for Approval. Only Siemens is to be added as supporter of IMS group management. And Both Siemens and Dynamicsoft for IMS messaging.

TD SP-020066 Various Updated WIs for Approval. (The WLAN WID was agreed under the discussions of TD SP-020006). The WID for GUP had been issued without revision marks and caused difficulties in approving the changes. The WID was updated with revision marks in TD SP-020163 which was reviewed. The dates were questioned and it was noted that they were inaccurate: the GUP Rapporteur responded that the update of WIDs for date changes was not considered necessary, as this information is updated in the Work Plan on a regular basis. The revised WID was then approved.

7.2   TSG-SA WG2

7.2.1   Report from SA WG2 and review of progress

TD SP-020129 Report from SA WG2 to TSG SA #15. The status report of SA WG2 activities since TSG SA#14 was presented by the SA WG2 Chairman.

Questions:

Slide 15: It was reported that the Local Services work was unlikely to be completed in time for June 2002. It was agreed that this was not essential for IMS and would not be part of Rel-5.

Slide 21: MBMS: It was reported that there were possible overlapping work with CN WGs in this area. The SA WG2 Chairman replied that this was being taken into account in order to prevent double working in the groups. The TSG CN Chairman reported that the work item on this had not been approved by TSG CN, but the CN WGs were asked to look at it first.

The SA WG2 Chairman was thanked for his report, which was then noted.

7.2.2   Questions for advice from SA WG2

TD SP-020003 Liaison Statement on Restoration of R'96 Any Time Interrogation functionality. This was introduced by the SA WG2 Chairman and was provided for information, intended to help any debate on this topic which might occur at TSG level. The inclusion in Rel-5 was accepted, but the consequences of not including it in Rel-4 and Release 1999 were checked (using the related CRs in TD SP-020131). There was some discussion on the need for this. Delegates were asked to consider this before the approval of TD SP-020131 is dealt with.

TD SP-020069 Response LS from SA WG2 on Shared network scenarios considered by RAN WG3. This was introduced by the SA WG2 Chairman and the issues raised were discussed. After some discussion it was decided that these issues should be discussed in RAN WG2, RAN WG3, SA WG1 and SA WG2. The SA WG2 Chairman proposed that S2 check S1 and R2/R2 work and co-ordinate activity on this. The LS was then noted. **The activities in RAN WG2 and RAN WG3 should be checked and impacts analysed**.

TD SP-020070 LS from SA WG2 on adapting to IETF improvements contained in "unified draft". This was introduced by the SA WG2 Chairman and was provided for information and was noted.

7.2.3   Approval of contributions from SA WG2

CRs:

TD SP-020130 CRs on 23.002 (Network Architecture). Many errors with the CR cover sheets and a Change to a CR in CR089 were reported. A revised document containing corrected CRs was provided in TD SP-020165 which were approved.

TD SP-020131 CRs on 03.60 and 23.060 (GPRS/PS domain stage 2). CRs 302r1, 318 and 319 were postponed for the Anytime Location discussions which concluded that there were no problems with approving the Rel-4 and Rel-5 CRs. All CRs in this document were approved **except for CR302r1**. Note: The approval of the Rel-4 CR (CR318) was accepted as an exception for alignment with Rel-4 RAN specifications.

TD SP-020132 CRs on 23.107 rel99 (v.3.7.0), Rel-4 (v. 4.3.0), and Rel-5 (v. 5.3.0) (QoS). These CRs were approved.

TD SP-020133 CR on 23.127 Rel-4 (v.4.3.0) and Rel-5 (v.5.0.0) (VHE/OSA). These CRs were approved.

TD SP-020134 CRs on 23.207 v.5.2.0 (E2E QoS). These CRs were approved.

TD SP-020135 CRs on 23.221 v.5.3.0 (Architecture Requirements). These CRs were approved. The wording of CR028 was considered in need of clarification on the SIP signalling compression.

TD SP-020136 CRs on 23.228 v.5.3.0 (IMS Stage 2). CR148r2 - 23.003 did not yet include ISIM details. Also the use of IMSI to derive the public ID caused some concerns as the IMSI is traditionally a non-disclosed parameter. CR148r2 was rejected and the other CRs in this document were approved. CR148r2 was updated to CR148r3, which was provided in TD SP-020189.

TD SP-020189 CR to 23.228 CR148r3: Introduction of ISIM application on the UICC. This was provided by Telia and removed some the proposed changes in CR148r2 (TD SP-020136) in order to make the CR acceptable to TSG SA. Vodafone asked SA WG2 to verify the text above the first editors note in section 4.3.3.4 "*The storage location of the Private User Identity, Public User Identity and home domain name for a standalone SIP Client could be stored on the ISIM*". The SA WG2 Chairman agreed to take this to SA WG2 for verification. This CR was then approved. The SA WG1 Chairman reported that this would require some changes in SA WG1 specifications and contribution to SA WG1 was requested. It was noted that Rel-5 changes could be expected from SA WG1 at the next TSG SA meeting.

TD SP-020137 CR on 23.236 v.5.1.0 (Iu Flex Stage 2). This CR was approved.

TD SP-020138 CRs on LCS: 03.71 v.7.8.0 and v.8.4.0, 23.171 v.3.6.0, 23.271 v.4.4.0 and 5.1.0 (LCS Stage 2). CR069r1 was questioned, The SA WG2 Chairman reported that the open issues on architecture were related to future Releases of LCS and did not apply to Rel-5. These CRs were then approved.

TD SP-020198 CR to 23.271: Adding references to the LIF MLP specification for the Le interface. This CR was approved.

TSs and TRs:

TD SP-020156 TR 23.841 v.1.0.0: "Presence Service; Architecture and Functional Description". This was introduced by the SA WG2 Chairman and was provided for information. The TR was noted. SA WG3 were asked to take a strong role in the development of the Security sections for the Presence service. Members were asked to check the content of the TR, and to contribute towards closing the open issues in the document. The decision on the Release for this TR would be made when it is presented for approval.

TD SP-020145 TR 23.871 v.2.0.0: "Enhanced Support for User Privacy in LCS". This was introduced by the SA WG2 Chairman and was provided for approval. The SA WG1 Chairman expressed surprise that the TR included much materiel which should be in SA WG2, and requested that future CRs follow the usual approach, beginning with Service Requirements. There were many issues to be considered by SA WG3. The need for a separate TR for Rel-6 was questioned. The SA WG1 Chairman requested that the requirements work should be done in SA WG1 before deciding to continue with the study at SA WG2 on Rel-6. SA WG2 were asked to consider the comments made at the meeting and forward to SA WG1 and SA WG3 for Requirements and Security parts and present it again to TSG SA when it is complete. Due to the instability of the TR, it was noted and an updated version should be presented to the next TSG SA meeting for approval.

TD SP-020144 TR 23.815 v.2.0.0 on "Charging implication of IMS architecture". This TR was introduced by the SA WG2 Chairman and was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020153 Proposed CRs to 23.207, 23.226, 23.228: Correction of SIP RFC references. This was introduced by Dynamicsoft and was approved.

TD SP-020159 23.271 CR075r4: Deferred Location Request with Change of Area Event. This was withdrawn by the SA WG2 Chairman.

WIDs:

TD SP-020139 WID on inter-GMLC interface. It was clarified that the stage 2 and stage 3 work will be in parallel for items without conflicts in the groups. This WI description was approved.

TD SP-020140 WID on Feasibility study on Dynamic Policy Control enhancements for end-to-end QoS. This was revised from the version provided to the last meeting, taking into accounts the revisions suggested. This WI description was approved.

TD SP-020141 Revised WID on LCS enhancements in Rel-5. A related WID was provided in TD S3-020142. This WI description was approved. WGs were reminded that WIDs should not contain Release information, which is decided on a time/progress basis. The document was updated (Enhancements 1) to correct this in TD SP-020166 which was approved.

TD SP-020142 WID on LCS enhancements in Rel-6. It was reported that there was no Feature in the Rel-6 timeframe for this and one should be created. including the stage 1 work. The WI was therefore **not approved** `until the Stage 1 and Work Items are available.

TD SP-020143 WID on SA WG2 implication in UMTS/WLAN interworking. Additional support for this work item was indicated. This should be included in the next update to the WI. This WI description was approved.

7.3   TSG-SA WG3

7.3.1   Report from TSG-SA WG3 and review of progress

TD SP-020106 Status report from SA WG3 to TSG SA#15. The status report of SA WG3 activities since TSG SA#14 was presented by the SA WG3 Chairman.

Questions:

Slide 6: The TSG CN Chairman reported that the lack of decision on the integrity protection mechanism for IMS was a critical one for CN WGs to progress their work. TSG CN appreciate SA WG3 experts going to Fort Lauderdale, but would like some decision making power to be provided there (e.g. a full SA WG3 meeting). The SA WG3 Chairman responded that many SA WG3 members would not be able to attend the meeting at such short notice. As soon as there is enough progress in the IETF to be able to make a decision, then the SA WG3 Chairman would call for a decision on e-mail and at latest, a vote could be taken in the May 2002 meeting.

Hutchison 3G commented that the number of WG meetings held by SA WG3 was generally lower than the other WGs, who normally hold at least 2 WG meetings between TSG plenaries, and requested a SA WG plenary meeting is called.

The TSG SA Chairman asked the companies who are proposing the 2 solutions to take into account the importance of an early decision for TSG CN work and to try to come to a solution during this TSG SA meeting. This was reviewed later in the meeting **<RETURN>**

Slide 22: It was clarified that the items for discussion in the joint session with SA WG1 would be for LCS and UE Functionality Split issues.

Use of SIM/USIM to access IMS: It was clarified that the use of private ID to produce Public IDs would reveal the IMSI, but this was not considered an issue by SA WG3.

SA WG3 Chairman was asked whether SA WG3 are using the same system architecture as SA WG2 for Security solutions. The SA WG3 chairman responded that the security solutions were based upon the architecture defined by SA WG2.

Slide 16: Configuration of ciphering: It was clarified that there will be no enhancement of the mechanism for Re-5 over the mechanism provided in GSM. It was also clarified that this related to Terminal Configuration of Ciphering.

UE Functionality Split: The SA WG3 Chairman clarified that SA WG3 consider the call control as a single entity for Release 5 and it is hoped to be further discussed with SA WG1 in the joint session.

Slide 7: The TSG CN Chairman reported that there were discussions with the IETF Area directors for timely completion of the high-risk drafts. He also reported that the IETF has mandated SIP over TLS in network nodes. This implied that it would be necessary to implement this in order to be conformant, even though it would never be used. SA WG3 Chairman requested an exception for this to be recorded by the IETF, this should be further discussed in Fort Lauderdale.

TD SP-020107 Reports of SA WG3 meetings held since TSG SA#14. These reports were provided for information and were noted.

The SA WG3 Chairman was thanked for his report, which was then noted.

7.3.2   Questions for advice from TSG-SA WG3

Concerning the inclusion of Regional requirements in the specifications (Re: 33.108, TD SP-020118) it was concluded that the 3GPP specification could be a superset of requirements, and such annexes could be included.

7.3.3   Approval of contributions from TSG-SA WG3

TD SP-020108 CR to 33.102: Removal of Tr mode DCCH (R99). This CR was approved.

TD SP-020109 CR to 33.107: PDP context Deactivation cause (Rel-5). This CR was approved.

TD SP-020160 CR to 33.107: The use of H.248 in setting up a bearer intercept point at the MGW (Rel-5). This CR was approved.

TD SP-020161 3 CRs to 33.107: Inter-SGSN RA update with active PDP context (R99, Rel-4, Rel-5). These CRs were approved.

TD SP-020162 CR to 33.107: Addition of PDP context modification Event and Transferring the QoS information element across the X2 interface (Rel-5). This CR was approved.

TD SP-020113 CR to 43.035: IST implementation for non-CAMEL subscribers (Rel-4). This CR was approved. It was clarified that this was independent of access technology and needs to be entered into the (21.101, 21.102 to include specs) 22.032, 42.032 and 23.035 specification. Futher contribution on this subject was provided in TD SP-020186 and it was decided to postpone this discussion until feedback is received from CN WG4.

TD SP-020186 Consideration on 43.035 (Remark on SP-020113). This was introduced by Siemens and proposed:

1.   *Do not approve the CR in SP-020113 at SA#15.*

2.   *For the sake of a consistent set of specifications forward the CR under discussion to CN4 for checking the consistency between requirement and implementation esp. the "non-CAMEL based IST" as described in xy.035 and 29.002.*

3.   *If non-CAMEL based IST is an issue then a Rel-5 CR should be produced.*

4.   *SA1 may want to comment on the requirement of non-CAMEL based IST in the UMTS-era.*

After some discussion on the reasoning of the request to remove IST for non-CAMEL subscribers and confirmation that the signalling is present in Rel-4 Core Network specifications, it was concluded that the CR which was approved in TD SP-020113 should be sent to CN WG4 experts to verify that there were no impacts on continued support of this in Rel-4. **CN WG4 were asked to check for any problems with introducing the non-CAMEL IST functionality into Rel-4 and also to consider the implications if this requirement is introduced into UTRAN and to provide TSG SA with information of the consequences on the signalling with this change of requirement. The CN WG4 Chairman was asked to take this information and inform the WG over e-mail.**

TD SP-020114 CR to 33.200: NIST Special Publication 800-38A updates on MEA-1 (Rel-4). This CR was approved.

TD SP-020115 Cover Sheet for 33.200 (MAPsec) Release 5 CR and CR to 33.200: Automatic Key Management (Rel-5). This CR was approved.

TSs and TRs:

TD SP-020118 Draft 33.108-100: Handover Interface for Lawful Interception (Rel-5). This TS was provided for information and was noted.

TD SP-020116 Draft 33.203-2.0.0: aSIP - Access Security for IP-Based Services. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5). It was noted that the RFC should be updated and Dynamicsoft agreed to provide a CR to do this in TD SP-020174 (see below).

TD SP-020117 Draft 33.210-200: Network Domain Security; IP network layer security (Rel-5). This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5). The integrity protection issue was discussed in an evening ad-hoc meeting and the results of this was provided by the SA WG3 Chairman in TD SP-020200.

TD SP-020200 Resolution on IMS Integrity Protection. The results of the ad-hoc evening session was presented by the SA WG3 Chairman. No solution could be found so it was decided to hold a Vote in SA WG3 on 27 March 2002, where the majority vote would be adopted as the primary solution for the IMS integrity protection. Vodafone would not take part in the vote, unless the result is 50%/50% in which case Vodafone will cast the final Vote. It was clarified that this is not compliant with the official voting procedure but there has been full agreement of the concerned parties in this issue. **This was noted as a pragmatic way forward to solve the problem in a necessarily short time frame and the procedure was endorsed by TSG SA for this issue.**

CRs to 33.203 Rel-5:

TD SP-020174 CR to 33.203: Correction of references to obsolete SIP RFC 2543bis IETF internet draft (Rel-5). This CR was approved.

TD SP-020175 CR to 33.203: Removal of reference to non Operator IMS provision (Rel-5). This was introduced by TIM and was approved.

WIDs:

TD SP-020119 Revised WI on support of subscriber certificates. This WI description was approved. SA WG3 were asked to clearly state the requirements for Subscriber Certificates in their specifications. The SA WG3 Chairman clarified that the specification would provide the requirements for the structure and content of certificates which would provide the mechanism for services to be defined by SA WG1.

TD SP-020120 Revised WI on lawful interception in the 3GPP Rel-5 architecture. This WI description was approved. (It was clarified that this WI was related to the Release 5 architecture, rather than defining the release for the work).

7.4   TSG-SA WG4

7.4.1   Report from TSG-SA WG4 and review of progress

TD SP-020071 TSG S4 Status Report at TSG-SA#15. The status report of SA WG4 activities since TSG SA#14 was presented by the SA WG4 Chairman.

Questions:

Slide 10: Where do SA WG4 see the adaptation from WB to NB being done in the Network? This was clarified as slide 9 states: *The TRAU/TC performs in uplink direction the wideband decoding and a successive lowpass-filtering, downsampling to 8kHz sampling rate and PCM (G.711) encoding, before its sends the narrowband version of the speech signal towards its destination. This downsampled signal allows interworking with the narrowband world (PSTN etc.).* So the adaptation is performed in the TRAU/TC unit.

The interworking issues for streaming Codec operation was questioned. There was no immediate answer available, but SA WG4 will consider this and raise it if there are any issues.

The SA WG4 Chairman was thanked for his report, which was then noted.

7.4.2   Questions for advice from TSG-SA WG4

TD SP-020009 LS from SA WG4: Reduction of the number of AMR-WB modes for speech telephony service. This had been presented under agenda item 6.2 (see also discussion of TD SP-020146 under agenda item 6.2).

TD SP-020072 AMR-WB Codec references in TS 26.234 Release 4. SA WG4 requested that TSG SA approve the following actions to correct the references in TS 26.234 Rel-4, as AMR-WB has been found to be needed for streaming:

> *"Approve to transfer to Rel-4 the AMR-WB Codec TSs used in Rel-4 PSS. From the list of the AMR-WB TSs, all except TS 26.202 are used in Rel-4 PSS and should be moved to Rel-4. (TS 26.202 should not be moved since it relates to the network aspects of the AMR-WB feature.) For clean-up, three CRs to the moved TS 26.171, TS 26.174 and TS 26.191 to remove the references to TS 26.202 will be provided by SA WG4 at next TSG SA plenary."*

The TSG SA Chairman reported that in TSG SA#11, TSG SA had noted that these references needed fixing. The SA WG4 Chairman acknowledged that they were rather late with the necessary changes to Rel-4, where they had considered AMR-WB for speech services and had only recently realised its use for streaming.

It was proposed that the simplest solution would be to replace the references to AMR-WB in TS 26.234 (Rel-4) with ITU-T Recommendation G.722.2 A CR to do this was provided in TD SP-020173 by the SA WG4 Secretary (MCC).

TD SP-020173 Replacement of references to "3GPP AMR-WB codec" into "ITU-T Rec. G.722.2". This was presented by the SA WG4 Secretary and was approved.

7.4.3   Approval of contributions from TSG-SA WG4

CRs:

TD SP-020086 CR to TS 26.233 on "Consolidated addition of Release 5 PSS-E features to TS 26.233 Rel-4" (Release 5). This CR was approved.

TD SP-020088 CR to TS 26.234 on "Addition of Release 5 functionality" (Release 5). A comment on the inclusion of Default Codecs to be supported in Streaming for a particular media type was raised, referring to discussions on including this in stage 1 specifications, requesting the inclusion of default Codecs for all media types also in stage 2 specifications. SA WG4 could not agree on a single default Codec for all media types and therefore some media types do not mandate a particular Codec. This CR was approved.

> The Chairman reminded WGs that large CRs, such as this one, run the risk of rejection due to rejection of a small part of them. Therefore such CRs should be split into a number of CRs on different subjects.

TD SP-020091 CRs to TS 28.062 on "Modification of TFO_Messages for AMR-WB introduction", on "Introduction of Generic Configuration Frames", and on "Inclusion of AMR-WB and OHR_AMR" (Release 5). These CRs were approved.

TD SP-020092 CR to TS 28.062 on "AMR-WB Codec types and Codec type OHR_AMR into reference

implementation C-Code of AMR TFO decision rules" (Release 5). This CR was approved.

TD SP-020081CRs to TS 26.173 on "Correction of mode reading and memory usage", "Correction of pitch calculation of AMR-WB encoder", and "Error concealment of high band gain in 23.85 kbit/s mode" (Release 5). These CRs were approved.

TD SP-020082 CR to TS 26.174 on "Update of AMR-WB test sequences" (Release 5). This CR was approved.

TD SP-020083 CR to TS 26.191 on "Error concealment of high band gain in 23.85 kbit/s mode" (Release 5). This CR was approved.

TD SP-020076 CR to TS 06.74 on Correction to DTX text vectors (R98). This CR was approved.

TD SP-020077 CRs to TS 26.101 on Correction of AMR Codec output bit-stream (R99, Release 4). These CRs were approved.

TD SP-020078 CRs to TS 26.103 on Default Codec Type UMTS AMR_2 (R99, Release 4 and 5), Introduction of GERAN-8PSK Codec Types into Codec List (Release 5), and Introduction of codepoint for Dummy Codec for CS Multi Media (3G 324M) (Release 5). 26.103 CRs 015 and 017 were approved, CRs 012, 013 and 014: after discussions with the SA WG1 Chairman, it was reported that such changes may be more appropriate to be made to TS 22.003. The wording of the CRs also was thought to be ambiguous, as it could be interpreted to exclude the GSM Full Rate Codec as a default Codec. It was clarified that the the difference between AMR and AMR2 is only the restriction on Mode change to every 2nd frame (40ms) for AMR2. This had been introduced for interoperability with GSM AMR Full Rate in the case of TFO. As it is only the encoder which has this restriction, the decoder is indifferent to whether the encoder operates as AMR or AMR2. It was questioned whether the signalling support catered for the proposed changes, allowing that Release 1999 dual-mode terminals and All terminals from Rel-4 to only support AMR2. This was questioned because AMR and AMR2 from a signalling point of view is considered as 2 different Codecs. After offline discussions TSG SA decided to postpone the approval of CRs 012, 013 and 014 to a later meeting to allow for verification of the compatibility of the proposed changes with the relevant TSG CN specifications. Especially the case of a Release 4/5 AMR2 mobile in a release 99 AMR only network caused concern, ie., for the case the AMR2 only UE attempts to set-up a call and includes a Supported Codec List IE in the SET-UP message. This concern was raised due to the following statement in TS 24.008, section 5.2.1.11 which states: *"If the Supported Codec List IE is received, the network shall select a Codec from the list of Codecs and indicate this to the ME via RANAP and RRC protocol in NAS Synchronisation Indicator IE. See 3GPP TS 25.413 and 3GPP TS 25.331"*.

Therefore the CRs 012, 013 and 014 were postponed and CN WG1 were asked to make the necessary checks and report the results to TSG SA and SA WG4.

TD SP-020079 CRs to TS 26.104 on Maintaining bit-exactness with TS 26.073 (R99, Release 4). These CRs were approved.

TD SP-020080 CRs to TS 26.132 on Correction of references and editorial changes (wrong decimal separators) (R99, Release 4, Release 5). These CRs were approved.

TD SP-020084 CR to TS 26.231 on "Request to remove the CTM tandeming requirement for handsets in the Minimum Performance Requirements" (Release 5). This CR was approved.

TD SP-020085 CR to TS 26.233 on "Correction of missing use case example: PSS service activation via MMS" (Release 4). This CR was approved.

TD SP-020087 CRs to TS 26.234 on "Corrections and Clarifications" (Release 4). These CRs were approved.

TD SP-020089 CR to TS 26.235 on "Update of AMR & AMR-WB RTP payload format" (Release 5). The TS CN Chairman reported that RFC 3267 has now been produced and the annex could be replaced with this reference. It was agreed to continue with CR and SA WG4 would review the IETF decisions and provide a further update to the next meeting. This CR was approved.

TD SP-020090 CRs to TS 28.062 Corrections to "In-band Tandem Free Operation (TFO) of Speech Codecs; Stage 3 - Service Description" (Release 4). These CRs were approved.

TD SP-020154 Proposed CR to 26.235: Correction of SIP RFC references. This CR was approved.

TSs and TRs:

TD SP-020073 3GPP TS 26.204 version 2.0.0 "ANSI-C code for the Floating-point Adaptive Multi-Rate

Wideband (AMR-WB) speech Codec" (Rel-5). Since the presentation for information in December 2001, there have been minor editorial updates and the finalisation of the ANSI C Code which will be made available by MCC if the TS is approved. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020074 3GPP TS 26.236 version 2.0.0 "Packet Switched Conversational Multimedia Applications; Transport Protocols" (Rel-5). Since presentation for information, the open issues have been resolved and related editors notes have been removed. Section 5.1.1 states that interleaving shall not be used. This was explained as necessary to minimise delay and provide good quality. SA WG4 had concluded that there is no major degradation without interleaving. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020075 3GPP TS 26.140 version 2.0.0 "Multimedia Messaging Service (MMS); Media formats and Codecs" (Rel-5). Since the presentation for information in December 2001, there have been minor editorial updates, and some file formats more clearly explained, XHTML profile has been added in section 4.10. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

7.5 TSG-SA WG5

7.5.1 Report from TSG-SA WG5 and review of progress

TD SP-020168 Status report from SA WG5 to SA#15 (replaced TD SP-020010). The status report of SA WG5 activities since TSG SA#14 was presented by the SA WG5 Secretary, Mr. A. Zoicas, MCC, in the absence of a Chairman to SA WG5 at the present time.

The previous Chairman, Mr. A. Yuhan had resigned. Elections will be held in April 2002 for election of Chairman and Vice Chairman of SA WG5.

Questions:

Slide 12, bullet 6: Trace Management - TSG SA#14 had asked SA WG5 to report the activities in other groups on Trace Management and the results of this were questioned. It was clarified that this was still ongoing.

Slide 12, bullet 2: The SA WG3 Chairman confirmed that there were no security concerns on transmission of sensitive information over the Mc interface and a LS had been agreed at their last meeting.

The SA WG5 Secretary was thanked for presenting the SA WG5 report, which was then noted.

The GERAN Chairman clarified that there was work needed for GERAN and that the report was slightly misleading in this respect.

Slide 13: Charging Management: It was questioned whether this included On-Line Charging. TS 32.225 includes only Off-line Charging. At the last SA WG5 meeting it was agreed to include the new aspects of On-line charging and the target for On-Line charging for IMS is June 2002.

Slide 6: Subscriber Management: The accuracy of 95% complete was questioned as there are a large number of joint discussions ongoing on SM. It was explained that SA WG5 had considered the TR 95% complete, but new requirements mat require a revision of the figure. Clarifications on the impact of SA WG5 requirements on GUP were expected at the joint meetings. It was also confirmed that GUP would not be available until Rel-6. A decision on the Release for SM would be taken in the Work Planning part of this meeting.

The SA WG5 Secretary was thanked for presenting the report, which was then noted.

7.5.2 Questions for advice from TSG-SA WG5

The upgrade of TS 32.800 to Rel-5 without change was approved.

The upgrade of TS 32.401 to Rel-5 without change was approved.

It was noted that TS 52.402 will not be upgraded to Release 5 until a CR is provided at the next TSG SA meeting.

The upgrade of TS 32.111-1 to Rel-5 without change was approved.

The upgrade of TS 32.111-2 to Rel-5 was approved.

The upgrade of TS 32.111-3 to Rel-5 was approved.

The upgrade of TS 32.111-4 to Rel-5 was approved.

The upgrade of TS 32.311 to Rel-5 without change was approved.

The upgrade of TS 32.312 to Rel-5 without change was approved.

It was noted that TS 32.300 will not be upgraded to Release 5 until a CR is provided at the next TSG SA meeting.

The upgrade of TS 32.301 to Rel-5 without change was approved.

It was noted that TS 32.302 is already a part of Rel-5.

The upgrade of TS 32.303 to Rel-5 was approved.

It was noted that 32.600 - 32.654 (Slide 19) are expected to be ready for upgrade to Rel-5 in June 2002.

It was reported that the early drafts listed in Slide 20 were expected to be progressed in ad-hoc meetings and provided to TSG SA in June 2002. This was noted.

It was noted that 32.663 and 32.664 will not exist in Rel-5.

TD SP-020036 LS reply to S1-010636 (cc: SA, SA2, SA3) on 3GPP System – WLAN Interworking. This was provided for information to TSG SA and was noted.

7.5.3   Approval of contributions from TSG-SA WG5

CRs:

TD SP-020013 3 Rel-5 CRs 32.101 (3G Telecom Management principles and high level requirements). These CRs were approved.

TD S3-020037 2 Rel-5 CRs 32.102 (3G Telecom Management Architecture). These CRs were approved.

TD SP-020014 2 Rel-5 CRs 32.102 (3G Telecom Management Architecture)

TD SP-020016 5 Rel-4 & Rel-5 CRs 32.200 (Charging principles). These CRs were approved.

TD SP-020022 4 R99 & Rel-4 CRs 32.005 & 32.205 (CS charging), 32.015 & 32.215 (PS charging) Addition of CAMEL phase 3 extensions in SMS-MO CDR. These CRs were approved.

TD SP-020024 2 R99 & Rel-4 CRs 32.015 & 32.215 (CS & PS charging) Addition of "QoSRequested" parameter into "traffic volume containers". These CRs were approved.

TD SP-020025 2 Rel-5 CRs 32.205 & 32.215 (CS & PS charging) Addition of CAMEL phase 4 extensions in SMS-MT CDRs. These CRs were approved.

TD SP-020035 Rel-5 CR 32.205 (CS charging) Addition of Charging Data Record definition for Location Service in CS domain. This CR was approved.

TD SP-020017 Rel-4 CR 32.235 (Charging data description for application services) Corrections for consistency with 23.140 (MMS). This CR was approved.

TD SP-020026 Rel-4 CR 32.403 (Performance measurements - UMTS and combined UMTS/GSM) Correction of the measured object class for some SGSN MM measurement definitions. This CR was approved.

TD SP-020167 Rel-5 CR 32.403 (Performance measurements - UMTS and combined UMTS/GSM) Introduction of "Performance Measurements Definition Process" describing the repeatable, top-down process to define measurements for inclusion in future 3GPP Releases. An objection to the Scope of Annex B was received and it was agreed that this would need to be removed or re-written. The CR was **rejected** and SA WG5 were asked to reconsider the text of this CR and resubmit a more acceptable version.

TD SP-020028 3 Rel-4 CRs 32.111-2/3/4 (Fault Management; Alarm Integration Reference Point; Part 2 Information Service/ Part 3 CORBA SS/ Part 4 CMIP SS) Addition of "perceivedSeverity" as parameter to "acknowledgeAlarms" operation. These CRs were approved.

TD SP-020039 3 Rel-4 CRs 32.111-2 (Fault Management; Alarm Integration Reference Point; Part 2 Information Service). These CRs were approved.

TD SP-020015 Rel-4 CR 32.111-3 (Fault Management; Part 3: Alarm Integration Reference Point: CORBA SS) Correction of erroneous and addition of missing mapping tables. This CR was approved.

TD SP-020018 Rel-4 CR 32.304 (Configuration Management; Notification Integration Reference Point: CMIP SS) Correction of invalid ASN.1 definitions. This CR was approved.

TD SP-020031 Rel-5 CR 32.304 (Configuration Management; Notification Integration Reference Point: CMIP SS) Correction of errors in the GDMO and ASN.1 definitions. This CR was approved.

TD SP-020019 2 Rel-4 CRs 32.603 (Basic configuration management IRP: CORBA SS). These CRs were

approved.

TD SP-020032 Rel-4 CR 32.615 (Bulk configuration management IRP: XML file format definition) Alignment of XML file definitions with W3C, and modifications to allow use of commercially available XML processing tools. This CR was approved.

TD SP-020020 Rel-4 CR 32.622 (Configuration Management; Generic network resources IRP: NRM) Addition of managedElementType value for GSM Radio Access Network support. This CR was approved.

TD SP-020021 3 Rel-4 CRs 32.624 (Configuration Management; Generic network resources: IRP CMIP SS). These CRs were approved.

TD SP-020038 Rel-4 CR 32.303 (CM; Notification IRP CORBA SS) & 32.603 (Basic CM IRP CORBA Solution Set) Addition of missing CORBA exceptions. These CRs were approved.

TSs and TRs:

TD SP-020012 Rel-5 draft TS 32.140 v100 (Subscription Management). This TS was provided for information and was noted. With regards to the question from SA WG5 on the different stages of a specification belonging to the same Release, TSG SA replied that this is necessary and the final Release of this TS, when presented for approval, would depend upon the completion of the other stages.

TD SP-020011 Rel-5 draft TR 32.802 v104 (User Equipment Management UEM feasibility study), in co-operation with T2. This was presented to TSG SA for information for the second time as further information has been received from T WG2 which needs investigation. The TR expected to be presented for approval in June 2002. This TR was then noted.

TD SP-020033 Rel-5 draft TS 32.225 v100 (Charging management; Charging data description for the IP Multimedia Subsystem). This TS was provided for information and was noted.

TD SP-020034 2 Rel-5 draft TSs v100 on Kernel Configuration Management IRP: 32.661 (Requirements) & 32.662 (Information Service). TS 32.661 was provided for information and was noted. TS 32.662 was provided for information and was noted. The Release for these TSs will be decided when the completion status of the other stages is known, as all stages will need to be in the same Release.

7.6   3GPP Work plan

TD SP-020104 Work Plan version February 18th. The Work Plan was presented by A. Sultan, MCC and was noted.

TD SP-020190 Review of the Work Plan at TSG Plenaries #15. This was presented by A. Sultan and incorporated the results of TSGs RAN, CN and T plenaries and the latest updates from TSG SA #15.

Using this information as a basis, the definition of Rel-5 was elaborated:

Slide 21:

IP-based multimedia services - Local services for IMS: In principle, Stages 1, 2 and 3 should be in the same Release, therefore Local Services for IMS should be **moved out of Rel-5**.

Use of pre-Rel-5 USIM: This is targeted for June 2002 as **part of Rel-5** (to be re-evaluated at TSG#16).

Slide 24:

Interface at Go (GGSN-PCF): This will be a **part of Rel-5**.

Slide 25:

IMS - PS interworking: TSG CN reported March 2003 for this, so **moved out of Rel-5**.

Slide 26:

Header removal in GERAN: This is targetted for June 2002 as **part of Rel-5** (to be re-evaluated at TSG#16).

Header compression inUTRAN: Already in **Rel-4** (RoHC).

Header compression inGERAN: for Iu, re-use RoHC as **part of Rel-5**.

Slide 27:

Interface at Mp (MRFC-MRFP): Use H.248 - no work needed. **Part of Rel-5**.

Slide 31:

OSA support of Generic NW interface Function: No stage 3 in near future from TSG CN, so **moved out of Rel-5**.

OSA retrieval of IP session information: No stage 3 in near future from TSG CN, so **moved out of Rel-5**.

Slide 33:

OSA: Journaling **moved out of Rel-5**. SA WG1 to decide whether to request re-introduction to Rel-5.

OSA: User Profile Management **moved out of Rel-5**. SA WG1 to decide whether to request re-introduction to Rel-5.

OSA Information Services: **moved out of Rel-5**. SA WG1 to decide whether to request re-introduction to Rel-5.

Retrieval of Network Capabilities: **moved out of Rel-5**. SA WG1 to decide whether to request re-introduction to Rel-5.

Slide 35:

Support of CAMEL by the IMS: This is targetted for June 2002 as **part of Rel-5** (to be re-evaluated at TSG#16).

Slide 41:

Tones and announcements

WB conferencinmg and WB Voice Group calls **moved out of Rel-5**.

Adaptation of subscriber data in HLR/VLR **moved out of Rel-5**.

Lawful Interception is not considered part of the WB AMR Feature.

Slide 43:

Le interface: Status unknown, but reference to LIF specifications adequate for Rel-5. Stage 3 believed complete - need to check.

Enhanced support for user privacy and subscriber data handling. **Moved out of Rel-5**. Can be split into completed part and incomplete part. **Complete part is a Part of Rel-5**.

Deferred Location request: Stage 2 may not be finalised until June 2002. **Part of Rel-5** (to be re-evaluated at TSG#16).

Support of LCS - Presence interactions: Stage 3 should be ready by September 2002. **Moved out of Rel-5**.

Slide 45:

MAP Application Layer Security: Possibility to be ready for June 2002. **Part of Rel-5** (to be re-evaluated at TSG#16).

NDS/IP: Possibility to be ready for June 2002. **Part of Rel-5** (to be re-evaluated at TSG#16).

Slide 47:

Subscription Management: All stages need to be in same Release: **Moved out of Rel-5**.

Slide 48:

Trace Management: SA WG5 deleivery expected by June 2002. CN WG1 indicate cannot complete by June 2002. **Moved out of Rel-5**.

Slide 54:

End-to-end QoS - Question on the impact on RAN: Concluded there is no impact on the RAN. Some mapping of SDP parameters to QoS classes will need to be done by SA WG4. Expected completion for June 2002. **Part of Rel-5** (to be re-evaluated at TSG#16).

Slide 54:

Support of "Recipient Party Pays": **Moved out of Rel-5**. CR to service requirements already included in present specs (TD SP-020193).

Slide 59:

Presence: **Moved out of Rel-5**.

Slide 60:

UE Functionality Split: The TR intended by the Rel-5 WI is complete. **Further work should be for a future Release**.

Display of SP name on UE: **To be Deleted**.

Slide 61:

Network Sharing: Not clear amount of work needed in CN WGs. **Part of Rel-5** (to be re-evaluated at TSG#16).

Rel-6 issue:

Slide 68:

IMS Phase 2 to be elaborated: Lucent Volunteered to act as WI Rapporteur.

The Work Plan was updated by Mr. A. Sultan in TD SP-020196 and provided for information and was noted. It was noted that the UE functionality Split WI referred to the feasibility study in Rel-5, another WI for this will be The work plan aligning with these Slides will be provided on the FTP server the week following the meeting. A final version was produced in TD SP-020201.

All delegates were asked to respect the decisions made on the content of Release 5 decided here and not to re-open debates to re-include items.

7.7 Review of TSG-SA work programme

There were no specific contributions under this agenda item. This was dealt with as part of the report under agenda item 8.6.

7.8 Letters to other groups

<TO ADD LETTERS OUT>

7.9 Other issues

TD SP-020125 Current Status of 3GPP SIP related Internet Draft dependencies. This was introduced by Dynamicsoft and was provided for information and was noted. Delegates were asked to read the information off line

TD SP-020102 IPv4 Address Allocation Guidelines for GPRS Network. This was introduced by Cingular Wireless and had been submitted to SA WG2 meeting #22 and was submitted to TSG SA for information. Delegates were asked to read the information off line and the contribution was noted.

TD SP-020127 3GPP-IETF Status Report to TSG SA#15. This was presented by Ms. I. Leuca and provided the status of IETF work relevant to 3GPP specification work. Concerning Slide 11, the TSG CN Chairman commented that it would not be a good idea to have a number of different opinions at the IETF sessions and only the key editors were usually expected at the meetings. The report was noted and Ms. Leuca thanked for her IETF monitoring work for 3GPP.

SP -020123   Top-Level Domain for Mobile

8 Technical coordination with TSG-CN, TSG-RAN, TSG-T and TSG-GERAN

8.1 TSG-CN

8.1.1 Report and questions for discussion from TSG-CN

TD SP-020148TSG CN Report - Presentation slides. The TSG CN Chairman presented the report of the status of work in TSG CN. A text version of the report was provided in TD SP-020147. A detailed status of the TSG CN Work Items was given with their respective completeness at this meeting.

Questions:

Slide 3: Removal of specifications from Rel-4: 23.108, 23.814, 43.063, 44.063: There was some reluctance to remove 23.108 as this had not been agreed in CN WG1. The TSG CN Chairman agreed that this one could be left in Rel-4 and CN WG1 asked about it's deletion for the next TSG CN meeting. **TSG SA asked TSG CN to reconsider the deletion of 23.108 from Rel-4**.

Slide 5: Interworking IMS - CS: It was clarified that the 80% complete referred to the CN part, but not the ITU-T progress. The completeness of the overall work including ITU-T work could not be estimated at the meeting.

Slide 10: IMS-Cx interface. It was noted that this was missing from Slide 5. The completeness was estimated as 80% in TSG CN.

From Slide 5 it could be seen that the IMS work in CN was not complete and many items were expected for completion in June 2002. Handling of the content and timing of Rel-5 will be dealt with under agenda item 8.8 with all information together. It was noted that TSG SA still expected IMS to be included in Rel-5 and

the CN work formed a large part of the IMS functionality.

It was commented that the interworking specifications were needed in order to produce a viable IMS. The TSG CN Chairman reported that the lack of interworking specifications would not prevent interworking as proprietary solutions could be implemented and standardised solutions used when they are available.

mmO2 requested that the delay allowed for completion of IMS work does not preclude it from inclusion in Rel-5, or allow it to slip to another Release.

It was considered that the IMS-CS interworking was a stand-alone function, which can be implemented when it is ready, independent of the Release it is contained in.

After some debate and clarification on the status of the work, it was concluded that support for interworking would be available, but the necessary Mapping being developed in the ITU-T would not be available. It was also recognised that the mapping would be regionally-specific and fall under different regulatory requirements and would therefore need regional variations for implementation. It was proposed to split the work item to separate the Mapping from the interworking parts.

TSG CN asked whether Delayed Rel-5 items should be given priority over Rel-6? - TSG SA responded that priority setting should be dealt with under agenda item 8.8, when the overall Rel-5 content is discussed.

TD SP-020185 3GPP IETF Dependencies and Priorities. This was introduced by the TSG CN Chairman and provided the latest status of dependent IETF documents. The Document was noted and delegates asked to consider the urgent items for contribution in IETF.

TD SP-020150 RFC numbers allocated by IETF. This was introduced by the TSG CN Chairman for information and was noted.

TD SP-020151 Agenda for IP Core Network Harmonization Meeting. The TSG CN Chairman, who was also co-chair of the workshop, introduced the terms of reference and agenda for this workshop and asked for comments and suggestions for changes to be sent to him. Clarification that participation to the workshop is not "3GPP" but Member company representatives was requested. The TSG CN Chairman agreed to send out this clarification on the e-mail and that no formal 3GPP position is mandated to participants. The TSG CN Chairman commented that Member company representatives could present their company view of the status of the work in 3GPP Core Network, in order to foster a better understanding of the work in 3GPP by members of 3GPP2.

TD SP-020169 Concerns about the IP Harmonisation Workshop. This was presented by AWS and stated that in their opinion, the scope of the Harmonisation workshop should be to identify potential opportunities for harmonization, and not to develop requirements nor solutions. Any requirements or solutions for the 3GPP architecture shall be developed by 3GPP and any "requirements" from this workshop are non-binding to 3GPP. AWS do not want to see this be the first in a series of meetings. AWS expressed concerns with the architecture comparison agenda item, and with MWIF views on "Gap Analysis". AWS asked that 3GPP should not accept any impacts to the scheduling of Release 5, or any impact to the future development and delivery of 3GPP Releases subsequent to Release 5.

These concerns were mainly covered by the Terms of Reference of the workshop and the proposed agenda, as presented in TD SP-020151 and the TSG CN Chairman was asked to draft a letter stating that 3GPP TSG SA had taken note of the proposed agenda, and indicating that 3GPP will have no official participation in the workshop but individuals would represent their Member companies. This was provided in TD SP-020188 which was reviewed and approved. The TSG CN Chairman was asked to report back to 3GPP the results of the workshop and TSG SA can then decide whether and further workshops, if proposed, would be useful. It was also considered that due to the timescales for Rel-5 it would be very unlikely that any proposals from the workshop could affect Rel-5 work.

8.1.2   Information on Release 1999, Release 4, 5 and 6 in status TSG-CN

There were no specific contributions under this agenda item. This was dealt with as part of the report under agenda item 8.1.1.

8.1.3   Information on status and changes to deliverables

There were no specific contributions under this agenda item. This was dealt with as part of the report under agenda item 8.1.1.

8.2   Report from TSG-RAN

8.2.1   Report and questions for discussion from TSG-RAN

TD SP-020170 TSG RAN report to TSG SA#15. The TSG RAN Chairman presented the report of the status of work in TSG RAN. A letter to SDOs requiring tables to be provided by the 31 May 2002 to ITU-R WP 8/F

was endorsed by TSG RAN and will be sent to the PCG. There is still discussion on the usefulness of a bit indicating full or partial testing for terminal - the situation will be reviewed in June. A joint meeting with TSG T was held. TSG RAN position on the use of the version agreed at TSG RAN meeting #15 for test elaboration was agreed: March 2002. The prose description of test cases to be reviewed.

Much Work on Rel-5 is complete. Some items almost complete which will require a delayed completion for Rel-5 inclusion: TDD Base Station Classification, Base Station Classification for 1.28 Mcps TDD option, Radio access Bearer support enhancement, site selection diversity transmission, HSPDA aspects.

One new work item for Rel-5 concerning UTRAN Sharing for UE in connected mode was approved, but some delegations requested a review of the potential impact on other parts of the network by SA WG2. The material already discussed in RAN WG3 is forwarded to TSG SA for this review. TSG SA was requested to task SA WG2 to review this material urgently and provide comments to the next meeting of RAN WG3. The TSG GERAN Chairman reported that the fundamental difference between GERAN and UTRAN for this issue was the delays in checking of roaming agreements, which could cause handover to fail. In UTRAN the MMC constructs the list of Neighbour cells in order to determine which neighbour to hand over to. The GERAN mechanism uses an individual Neighbour cell list. In order to provide interworking, the same mechanism needs to be used in both systems.

It was reported that there was no service requirement for UTRAN sharing, and this was informally defined as "*to be able to hand over to different PLMNs when the UE is on UTRAN access*" (i.e. there is no requirement on the GERAN). It was clarified that this would affect only the Access part of the Core Network. SA WG1 were asked to provide a service requirement, to be agreed via e-mail to minimise delays, and forward this to SA WG2 who were asked to finalise this work in co-operation with TSG RAN.

TSG SA were asked whether there is a need for a different message in UTRAN Iu and GERAN in Iu mode for support of LCS. This was considered to be a misunderstanding on the working of LCS over the Iu interface in UTRAN and would be checked off-line.

MBMS has been reviewed and it was felt that a workshop shall be organised between at least SA WG1, SA WG2, TSG GERAN and TSG RAN (but open to all of 3GPP) following a proposal established by several companies (see TD SP-020171).

TD SP-020171 MBMS Workshop. This was introduced by the TSG RAN Chairman on behalf of the authors, Omnitel-Vodafone, Vodafone D2, Vodafone Ltd, Nortel Networks, NOKIA, Siemens and Ericsson. The goal of the workshop was to discuss the following items:

- Clarification from a Radio Access Network (RAN+GERAN) perspective of the requirements for MBMS identified in SA1

- Impacts from a Radio Access Network (RAN+GERAN) perspective of the requirements for MBMS identified in SA1 and architecture work done in SA2

- Identification of a list of possible Radio Access Network (RAN+GERAN) physical layer, protocols and architecture solutions to handle the requirements in a spectrum efficient way; re-use of existing radio-interface should be maximized as much as possible.

- Possible phasing of multicast/broadcast access network and architectural solutions and refinement (if any) of WI description in RAN.

The proposed date for the workshop was 6-7 May. Hutchinson 3G had volunteered to try to host the workshop and reminded the meeting that they were supporters of the workshop, although their company did not appear on the original TSG RAN contribution. TSG SA noted that the workshop was being arranged and encouraged Member companies to send relevant experts to progress this work.

8.2.2 Information on Release 1999, Release 4, 5 and 6 status in TSG-RAN

There were no specific contributions under this agenda item. This was dealt with as part of the report under agenda item 8.2.1.

8.2.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. This was dealt with as part of the report under agenda item 8.2.1.

8.3 Report from TSG-T

8.3.1 Report and questions for discussion from TSG-T

TD SP-020172 Report from TSG T to TSG SA#15. The TSG T Chairman presented the report of the status of work in TSG T. The draft report of the TSG T meeting #15 was provided for information in TD SP-020187

which was noted. The TSG T Chairman reported the status of the Release 1999 testing specifications. It was reported that all Rel-5 work had been completed except:

- MMS MM7 Stage 3 - Completion by June 2002

- MMS MM1 stage 3 (provided by WAP Forum) - Completion date unclear

- ISIM - Joint meeting planned in March 19-21 at ETSI, Requirements are still unclear. Completion by June 2002

T WG1 Conformance testing work:

The updating of the TTCN to newer versions of the core specifications was not foreseen at the time of estimating the requirements for funding. The updating to the March version is estimated to require an additional 15 man month and TSG T sought the advice of TSG SA. **It was reported that TSG T seek voluntary contribution from interested Members and TSG T were asked to raise any remaining issues with this funding issue to the PCG**.

Funding and resourcing of GERAN to UTRAN Inter-RAT TTCN Test Case implementation was discussed (6 man month estimate). TSG T believe it to be a problem that currently no TTCN implementation of the GERAN-UTRAN Inter-RAT test cases is planned. Therefore only UTRAN-GERAN Inter-RAT can be tested with test equipment using 3GPP TTCN. TSG T requested the opinion and advice of TSG SA. **TSG SA considered this to be a subject for TSG GERAN, who had reported that there was no funded programme in TSG GERAN for this and it would need to be done on a voluntary basis.** It was also noted that the GSM TTCN was a different version of TTCN than T WG1 had decided to use for the GERAN test suites.

The TSG T Chairman was thanked for his report, which was then noted.

TD SP-020152 Liaison from TSG T on guidance to coordinate Generic User Profile (GUP) work. This LS was introduced by the TSG T Chairman and makes suggestions on how to improve the current GUP work and asked TSG SA to consider this and provide guidance. TD SP-020007 was considered with this contribution:

TD SP-020007 LS from SA WG1: Generic User Profile (GUP) time scales. This was introduced by the SA WG1 Chairman and reported that SA WG1 does not necessarily agree that the Joint GUP Adhoc group is the optimal working group to be co-ordinating GUP work activities. However, it is recognised that co-ordination is needed across groups, and between work items. SA WG1 sought the advice of TSG SA on this matter. A contribution had been provided on this in TD SP-020191 which was considered:

TD SP-020191 Generic User Profile Task Lis. This was introduced by Ericsson. (Note: more companies were supporting this contribution than given on the source, but had not been added due to lack of time). The contribution provided a list of the different tasks within the Generic User Profile work and a proposed mapping of these tasks to the different WGs. TSG SA was requested to consider the suggestions and provide guidance accordingly.

The SA WG1 Chairman confirmed that the the SA WG1 document is not yet stable enough for presentation to TSG SA but that this should not be a barrier to the work continuing in other WGs (it has been sent to other WGs for information, but will be further elaborated in SA WG1). It was agreed that SA WG2 were most appropriate to do the initial architecture and object modelling and when detailed enough to hand over the individual tasks to the appropriate groups for elaboration.

NOTE: The Scope of the SA WG2 work will be broader than only architecture during this initial phase.

TSG SA will review this at the next meeting to monitor the progress of this approach. SA WG2 Chairman agreed to bring this to SA WG2 and acknowledged the need for co-ordination with other WGs with this work. A request that the potential new services resulting from this feature should be considered during the SA WG2 work, in order to keep the system flexible to new service requirements. **TSG T were asked not to approve and place under Change Control the related documents until the work has been performed in SA WG2**.

8.3.2 Information on Release 1999, Release 4, 5 and 6 status in TSG-T

There were no specific contributions under this agenda item. This was dealt with as part of the report under agenda item 8.3.1.

8.3.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. This was dealt with as part of the report under agenda item 8.3.1.

8.4 Report from TSG-GERAN

8.4.1 Report and questions for discussion from TSG-GERAN

TD SP-020124 TSG GERAN Report to TSG SA#15. The TSG GERAN Chairman presented the report of the status of work in TSG GERAN. **TSG SA were asked to note that the mandatory requirements on mobile to support fixed allocation is proposed by GERAN to be removed (or made optional), due to lack of usage in networks**. The decision on this is expected to be taken at GERAN meeting #09, 15-19 April 2002. Companies were asked to check the impact of this and communicate any concerns to TSG GERAN before the meeting.

Multimode GSM - 3G: No major changes.

LCS: Some small changes, LCS support for GPRS is now complete.

Release 5 issues: Definition of LMU Id and the addition of an extended Reference ID to LCS RRLP Messages.

TSG GERAN has not found it necessary to change the performance requirements for AMR on GMSK channels even though errors in the original simulations has been detected. 8-PSK channels for AMR work completed, except of the final radio performance requirements; changes needed to support AMR-WB on GMSK channels completed, but the need for all the modes for Tele Service 11 is being questioned. TSG GERAN is in the progress of evaluating Channel Coding for 8-PSK Channels to support AMR-WB.

I-mode has progressed and is expected to be ready for June 2002, and TSG GERAN request this to be included in Rel-5. (TSG GERAN note that removal of I-mode from the specifications would also create a lot of work).

The TSG SA Chairman thanked himself for presenting the TSG GERAN report to TSG SA and the report was noted.

8.4.2 Information on Release 1999, Release 4, 5 and 6 status in TSG-GERAN

There were no contributions under this agenda item.

8.4.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item.

8.5 Letters to other groups

There were no specific contributions under this agenda item.

8.6 Review of Release 1999 and Release 4 specification sets

TD SP-020099 Specs status list prior to TSGs#15. This was introduced by J. Meredith, MCC and provided the status of the 3GPP specification set before this meeting, and was noted.

TD SP-020181 Proposal to withdraw GSM 01.00. It was agreed to withdraw this TR (Working Procedures for SMG and PT SMG).

TD SP-020093 CR 008 to 21.101: "Correction to list of specs". This CR was approved.

TD SP-020176 CR 005 to 21.102: "Correction to list of specs". This CR was approved.

TD SP-020178 CR 005 to 01.01: "GSM Release 1999 specifications. This CR was approved.

TD SP-020179 CR 004 to 41.102: "GSM Release 4 Specifications". This CR was approved.

8.7 General aspects of Release handling and definition

There were no specific contributions under this agenda item.

8.8 Review of Release 5 status, content and completion

TD SP-020177 21.103 v1.2.0 "3rd Generation mobile system Release 5 specifications". The specification was missing from this document and so it was re-issued in TD SP-020202 and provided after the meeting, for approval at the next TSG meeting.

TD SP-020180 3GPP TS 41.103 v1.1.0: "GSM Release 5 specifications". The specification was missing from this document and so it was re-issued in TD SP-020203 and provided after the meeting, for approval at the next TSG meeting.

TD SP-020182 propagation of specs to Rel-5. A request to delay the update of unchanged specifications which form a part of Rel-5 specification set to be updated after TSG#16, rather than immediately after this meeting. TSG SA agreed that there was no need to require the automatic upgrade before TSG#16, but may

do so for spoecific specifications if required by other groups (e.g. RAN specifications for reference by ITU-R).

TD SP-020183 draft specs to frozen releases. This was provided for approval, and included a number of specifications at draft status. WGs were asked to provide information of their status (to delete, completion dates, etc.) to J Meredith.

TD SP-020184 proposal to promote specs to later releases. SA WG5 will look at the proposed SA WG5 specifications and GERAN will look at their GERAN specifications and report back to J. Meredith.

8.9   Beyond Release 5 and/or Current work plan (Vision, Phasing, New Technology, etc.)

Release 6 estimation: Considering the expected workload on maintenance and completion of Release 1999, Rel-4 and Rel-5, it was found that an absolute earliest target date for Rel-6 would be June 2003. **It was agreed not to set a firm target date before a clear overview of the timescales for potential features to be included in Rel-6**.

TD SP-020122 The need for 3GPP long-term evolution. A ToR will be drafted and provided to TSG SA#16 for approval and a ad-hoc group will be formed to report to TSG SA meetings. An e-mail list will be set up by MCC for discussion of Long Term evolution. The report was endorsed by TSG SA.

8.10   Other issues

There were no specific contributions under this agenda item.

9   Project Management

9.1   Review of work programme

TD SP-020100 Specs status list at end of TSG-SA#15. This will be provided by J. Meredith after close of the meeting. Delegates were asked to check it when available and provide any comments to MCC.

TD SP-020101 List of specs / releases. This was provided for information and was noted.

9.2   Working methods

TD SP-020105 CR004 to TR 21.801: Correction of wrongly numbered table. This CR was approved.

9.3   Other issues

There were no specific contributions under this agenda item.

10   Project support

TD SP-020192 Report of Support Team activities. This was presented by A. Scrase, Head of MCC and provided a summary of the activities within MCC since the last TSG SA meeting.

A request for MCC support candidates was made to replace MCC experts who are returning to their companies in 2002 was made. Job desciptions were provided oin an annex. **Members were asked to consider sending appropriate experts for candidatures**.

A request that certain releases could be withdrawn from maintenance in order to reduce the increasing workload on MCC experts was made. TSG SA recognised that the workload was directly related to the stability of specifications when they are placed under change control and an effort to ensure spoecifications are truly stable should be made. **Members were asked to consider if any actions could be taken to reduce the workload due to maintenance and provide input to the next meeting**.

TSG SA were asked to confirm that the Work Plan is being used by industry and that the effort for maintenence of this is justifyable. TSG SA confirmed the need for the work plan as a very useful tool for an overview of the project and the interdependencies of the work. **TSG SA confirmed the need for the Work Plan and thanked MCC for their good work on this.**

Voluntary funding for TTCN (human and monetary): There was support for this and the GSMA would be asked to consider funding for some of this work.

Mr. A. Scrase was thanked for his report and the report was noted.

11   Postponed issues from earlier in the meeting

The postponed issues were dealt with under their respective agenda items.

12   Work plan and future meetings

TD SP-020194 3GPP Calendar of meetings. This was provided for information and was noted.

Meeting	2002	Location	Primary Host
TSG#16	4 –13 June	Marco Island, FL, USA	Motorola
TSG#17	3 – 12 September	Biarritz, France	Alcatel
TSG#18	3 – 12 December	USA	NA 'Friends of 3GPP'
Meeting	2003	Location	Primary Host
TSG#19	EXACT DATES TO ADD March (tba)	UK	UK 'Friends of 3GPP'
TSG#20	June (tba)	Finland	Nokia
TSG#21	September (tba)		

Full details may be obtained via the 3GPP website (http://www.3gpp.org)

13 Any other business

TD SP-020123 Top-Level Domain for Mobile. This was presented by Nokia and aimed the mobile businesses as a community would take this initiative in their own hands, keep the name registration business within the industry and enjoy the associated quality and premium. It was pointed out that Nokia do not seek direct financial benefit from the creation of mTLD. Nokia invited 3GPP members to use the informative material in the attached slides for further business analysis and to join in the initiative. Comments and proposals on possible direct future implications on standardization were welcomed. TSG SA noted the presentation and invited Members to consider this proposal within their companies and communicate directly with Nokia for any further information.

14 Close of meeting

The TSG SA Chairman, Mr. Niels Peter Skov Andersen, thanked the hosts, TTA and their support team for the excellent arrangements and support for the meeting, and the MCC assistants for their support. The delegates were thanked for their hard work and co-operation and the TSG SA Chairman closed the meeting.

Annex A: Co-ordinates of TSG and WG Officials

A.1   TSG SA Officials

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Vice Chairman	Chenghock Ng	NEC	ngcheng@mcs.abk.nec.co.jp	+81 471 85 7167		
Secretary	Carolyn Taylor	3GPP Support Team	carolyn.taylor@etsi.fr	+33 4 92 94 43 52	+33 4 92 38 53 52	
TSG RAN WG4 Officials:						
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Vice Chairman	Vacancy					
Secretary	Cesar Gutierrez	3GPP Support Team	cesar.gutierrez@etsi.fr	+33 4 92 94 43 21	+33 4 92 38 53 21	
3GPP Ad-hoc group on ITU (internal) co-ordination:						
Contact person	Nicola Magnani	CSELT	nicola.magnani@cselt.it	+39 011 228 7089	+39 011 228 5295	

A.4   TSG T Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG T Officials:						
Chairman	Sang-Keun Park	Samsung	skpark@khgw.info.samsung.co.kr	+82 331 280 9835	+82 331 280 1660	+82-11-349-6535
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Vice Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	+44 7802 220811
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.fr	+33 4 92 94 43 24	+33 4 92 38 53 24	
TSG T WG1 Officials:						
Chairman	Bjarke Nielsen	Qualcomm	bnielsen@qualcomm.com	+49 89 7414 0806	+49 8442 916 349	+49 170 5488 456
Vice Chairman	Peter George	Anritsu UK	peterg@anritsu.co.uk	+44 143 874 0011	+44 143 874 0202	
Vice Chairman	Hisashi Nakagomi	NTT DoCoMo	hisashi@cet.yrp.nttdocomo.co.jp	+81-468-40-3100	+81-468-40-3733	
Secretary	Lidia Salmeron	3GPP Support Team	lidia.salmeron@etsi.fr	+33 4 92 94 43 49	+33 4 92 38 53 49	
TSG T WG2 Officials:						
Chairman	Ian Harris	Vodafone	ian.harris@vodafone.co.uk	+44 1653 673 270	+44 1635 672 587	+44 77 85 360 000
Vice Chairman	Peter Neumann	Siemens	peter.neumann@mch.siemens.de	+49 89 72 23 67 18	+49 89 72 23 70 78	+49 17 28 90 44 28
Vice Chairman	Gunilla Bratt	Ericsson L.M.	gunilla.bratt@ecs.ericsson.se	+46 46 193 729	+46 46 193 216	
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.fr	+33 4 92 94 43 24	+33 4 92 38 53 24	
TSG T WG3 Officials:						
Chairman	Klaus Vedder	Giesecke & Devrient	klaus.vedder@gdm.de	+49 89 4119 1542	+49 89 4119 1540	
Vice Chairman	Nigel Barnes	Motorola	nigel.barnes@motorola.com	+44 1256 790 169	+44 1 256 790 190	+44 7785 31 86 31
Vice Chairman	Paul JOLIVET	DoCoMo Europe	jolivet@docomo.fr	+33 1 56 88 30 30	+33 1 56 88 30 45	+33 6 84 77 71 71
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A.5   TSG GERAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
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Vice Chairman	Marc Grant	SBC Communications	marc.grant@sbc.com	+1 512 372 5834	+1 512 372 5891	+1 925 3477
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TSG GERAN WG1 Officials:						
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Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.fr	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG GERAN WG2 Officials:						
Chairman	José Luis Carrizo Martinez	Vodafone	jose-luis.carrizo@vodafone.co.uk	+44 1635 676093	+44 1635 231847	+44 1635 676093
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Gert Thomasen	3GPP Support Team	gert.thomasen@etsi.fr	+33 4 92 94 43 84	+33 4 92 38 53 84	
TSG GERAN WG3 Officials:						
Chairman	Vacancy					
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
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Vice Chairman						
Vice Chairman						
Secretary	Michael Clayton	3GPP Support Team	michael.clayton@etsi.fr	+33 4 92 94 42 28	+33 4 92 38 52 28	+33 6 74 40 83 68
TSG GERAN WG5 Officials:						
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Vice Chairman						
Vice Chairman						
Secretary	Lidia Salmeron	3GPP Support Team	lidia.salmeron@etsi.fr	+33 4 92 94 43 49	+33 4 92 38 53 49	

Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020001	Draft agenda for TSG SA meeting#15	TSG SA Chairman	2	Approval		Approved
SP-020002	Draft Report for TSG SA meeting #14 - version 0.0.4	TSG SA Secretary	3	Approval		Approved
SP-020003	Liaison Statement on Restoration of R'96 Any Time Interrogation functionality	SA WG2	7.2.2	Information		Issue on introduction in Rel-99, Rel-4 to be considered with related CRs in SP-020131
SP-020004	LS on Speech Codecs references in GERAN specifications	TSG GERAN	6.2	Action		Response LS from SA WG4 in SP-020009 - Proposed solution in SP-020072
SP-020005	Liaison Statement on Generic User Profile Stage 1	SA WG1	7.1.2	Information		Noted
SP-020006	LS on 3GPP System – WLAN interworking	SA WG1	7.1.2	Action		Noted
SP-020007	LS from SA WG1: Generic User Profile (GUP) time scales	SA WG1	7.1.2	Guidance requested		See SP-020191 conclusion
SP-020008	Liaison from SA WG1 to WAP Forum regarding DRM requirements	SA WG1	7.1.2	Information		Noted
SP-020009	LS from SA WG4: Reduction of the number of AMR-WB modes for speech telephony service (Reply to GP-(02)0505 = S4-(02)0035)	SA WG4	6.2	Information		See SP-020004 and SP-020072
SP-020010	Status report from SA WG5 to SA#15	SA WG5	7.5.1	Information	SP-020168	Revised in SP-020168
SP-020011	Rel-5 draft TR 32.802 v104 (User Equipment Management UEM feasibility study), in co-operation with T2 - for the 2nd consecutive time	SA WG5	7.5.3	Information		Noted
SP-020012	Rel-5 draft TS 32.140 v100 (Services Operations Management; Subscription Management Requirements)	SA WG5	7.5.3	Information		Noted
SP-020013	3 Rel-5 CR 32.101 (3G Telecom Management principles and high level requirements)	SA WG5	7.5.3	Approval		Approved
SP-020014	2 Rel-5 CR 32.102 (3G Telecom Management Architecture)	SA WG5	7.5.3	Approval		Approved
SP-020015	Rel-4 CR 32.111-3 (Fault Management; Part 3: Alarm Integration Reference Point: CORBA SS) Correction of erroneous and addition of missing mapping tables	SA WG5	7.5.3	Approval		Approved
SP-020016	5 Rel-4 & Rel-5 CR 32.200 (Charging principles)	SA WG5	7.5.3	Approval		Approved
SP-020017	Rel-4 CR 32.235 (Charging data description for application services) Corrections for consistency with 23.140 (MMS)	SA WG5	7.5.3	Approval		Approved
SP-020018	Rel-4 CR 32.304 (Configuration Management; Notification Integration Reference Point: CMIP SS) Correction of invalid ASN.1 definitions	SA WG5	7.5.3	Approval		Approved
SP-020019	2 Rel-4 CR 32.603 (Basic configuration management IRP: CORBA SS)	SA WG5	7.5.3	Approval		Approved
SP-020020	Rel-4 CR 32.622 (Configuration Management; Generic network resources IRP: NRM) Addition of managedElementType value for GSM Radio Access Network support	SA WG5	7.5.3	Approval		Approved
SP-020021	3 Rel-4 CR 32.624 (Configuration Management; Generic network resources: IRP CMIP SS)	SA WG5	7.5.3	Approval		Approved
SP-020022	4 R99 & Rel-4 CR 32.005 & 32.205 (CS charging), 32.015 & 32.215 (PS charging) Addition of CAMEL phase 3 extensions in SMS-MO CDR	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020023	Rel-4 CR 32.205 (CS charging) Addition of Charging Data Record definition for Location Service in CS domain	SA WG5	7.5.3	Approval	SP-020035	Revised in SP-020035
SP-020024	2 R99 & Rel-4 CR 32.015 & 32.215 (CS & PS charging) Addition of "QoSRequested" parameter into "traffic volume containers"	SA WG5	7.5.3	Approval		Approved
SP-020025	2 Rel-5 CR 32.205 & 32.215 (CS & PS charging) Addition of CAMEL phase 4 extensions in SMS-MT CDRs	SA WG5	7.5.3	Approval		Approved
SP-020026	Rel-4 CR 32.403 (Performance measurements - UMTS and combined UMTS/GSM) Correction of the measured object class for some SGSN MM measurement definitions	SA WG5	7.5.3	Approval		Approved
SP-020027	Rel-5 CR 32.403 (Performance measurements - UMTS and combined UMTS/GSM) Introduction of "Performance Measurements Definition Process" describing the repeatable, top-down process to define measurements for inclusion in future 3GPP Releases	SA WG5	7.5.3	Approval	SP-020167	Revised in SP-020167
SP-020028	3 Rel-4 CR 32.111-2/3/4 (Fault Management; Alarm Integration Reference Point; Part 2 Information Service/ Part 3 CORBA SS/ Part 4 CMIP SS) Addition of "perceivedSeverity" as parameter to "acknowledgeAlarms" operation	SA WG5	7.5.3	Approval		Approved
SP-020029	3 Rel-4 CR 32.111-2 (Fault Management; Alarm Integration Reference Point; Part 2 Information Service)	SA WG5	7.5.3	Approval	SP-020039	Revised in SP-020039
SP-020030	Rel-4 CR 32.303 (CM; Notification IRP CORBA SS) & 32.603 (Basic CM IRP CORBA Solution Set) Addition of missing CORBA exceptions	SA WG5	7.5.3	Approval	SP-020038	Revised in SP-020038
SP-020031	Rel-5 CR 32.304 (Configuration Management; Notification Integration Reference Point: CMIP SS) Correction of errors in the GDMO and ASN.1 definitions	SA WG5	7.5.3	Approval		Approved
SP-020032	Rel-4 CR 32.615 (Bulk configuration management IRP: XML file format definition) Alignment of XML file definitions with W3C, and modifications to allow use of commercially available XML processing tools	SA WG5	7.5.3	Approval		Approved
SP-020033	Rel-5 draft TS 32.225 v100 (Charging management; Charging data description for the IP Multimedia Subsystem)	SA WG5	7.5.3	Information		Noted
SP-020034	2 Rel-5 draft TSs v100 on Kernel Configuration Management IRP: 32.661 (Requirements) & 32.662 (Information Service)	SA WG5	7.5.3	Information		Noted
SP-020035	Rel-5 CR 32.205 (CS charging) Addition of Charging Data Record definition for Location Service in CS domain	SA WG5	7.5.3	Approval		Approved
SP-020036	LS reply to S1-010636 (cc: SA, SA2, SA3) on 3GPP System – WLAN Interworking	SA WG5	7.5.3	Information		Noted
SP-020037	2 Rel-5 CR 32.102 (3G Telecom Management Architecture)	SA WG5	7.5.3	Approval		Approved
SP-020038	Rel-4 CR 32.303 (CM; Notification IRP CORBA SS) & 32.603 (Basic CM IRP CORBA Solution Set) Addition of missing CORBA	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020039	3 Rel-4 CR 32.111-2 (Fault Management; Alarm Integration Reference Point; Part 2 Information Service)	SA WG5	7.5.3	Approval		Approved
SP-020040	Presentation of SA1 to SA #15	SA WG1	7.1.1	Presentation		Presented
SP-020041	Status report of SA1 to SA #15	SA WG1	7.1.1	Information		Noted
SP-020042	CRs to 22.011 R99/Rel-4 on clarification of the term 'country'	SA WG1	7.1.3	Approval	SP-020158	Updated in SP-020158 "Mobile -> "UE"
SP-020043	CRs to 22.071 R99/Rel-4/Rel-5 on Closure of a loophole in the privacy settings	SA WG1	7.1.3	Approval		Approved
SP-020044	CRs to 22.078 R99/Rel-4/Rel5 on removal of handling of e-parameters provided by the SCP	SA WG1	7.1.3	Approval		Approved
SP-020045	Editorial CRs to various TSs to correct terms and references	SA WG1	7.1.3	Approval		Approved. Editorial changes to Rel-5 reflected into Rel-4 specs
SP-020046	CRs to 21.905 on definitions and abbreviations	SA WG1	7.1.3	Approval		Approved. Other groups to check whether these definitions caused and definition discrepencies
SP-020047	CRs to 22.071 Location Service Rel-5 on various issues	SA WG1	7.1.3	Approval		Approved
SP-020048	CRs to 22.078 CAMEL Rel-5 on various issues	SA WG1	7.1.3	Approval		Approved
SP-020049	CR to 22.101 Service principles Rel-5 on IMS access	SA WG1	7.1.3	Approval		Approved
SP-020050	CR to 22.101 Service principles Rel-5 on Access to IMS services using ISIM	SA WG1	7.1.3	Approval		Approved. SA WG1 to provide further update to clarify ISIM/USIM location in future Releases
SP-020051	CR to 22.101 Service principles Rel-5 on USIM support in Rel-5 GSM only terminals	SA WG1	7.1.3	Approval		Approved
SP-020052	CR 22.101 Service principles Rel.5 on Service change and fallback for UDI/RDI multimedia calls	SA WG1	7.1.3	Approval		Approved
SP-020053	CR 22.115 Rel-5 on Charging and billing	SA WG1	7.1.3	Approval		Approved. SA WG5 to check impact of changes
SP-020054	CRs to 22.127 Rel-5 on various OSA issues	SA WG1	7.1.3	Approval		Approved
SP-020055	CRs to 22.140 Rel-5 on various MMS issues	SA WG1	7.1.3	Approval		CRs 011, 013 approved. CR010 provided in SP-020193
SP-020056	CRs to 22.141 Rel-5 on various Presence Service issues	SA WG1	7.1.3	Approval		Approved
SP-020057	CRs to 22.146 Rel-5 on various MBMS issues	SA WG1	7.1.3	Approval		Approved
SP-020058	CRs to 22.228 Rel-5 on various IMS issues	SA WG1	7.1.3	Approval		Approved. SA WG1 to update text for clarification
SP-020059	TR 22.934, V1.0.0 "Feasibility study on 3GPP system to Wireless Local Area Network (WLAN) interworking" Rel-6 – For information	SA WG1	7.1.3	Information		Noted
SP-020060	TR 22.950, V1.0.0 "Priority Service Feasibility Study Report" Rel-6 – For information	SA WG1	7.1.3	Information		Noted
SP-020061	TS 22.242, V1.0.0 "Digital Rights Management; Proposed Stage 1" Rel-6 – For information	SA WG1	7.1.3	Information		Noted
SP-020062	TS 22.233, V2.0.0 "Transparent End-to-End Packet-switched Streaming Service Stage 1" Rel-5 – For Approval	SA WG1	7.1.3	Approval		Approved
SP-020063	CRs to 21.905 and 22.105 related to the Streaming Service Stage 1.	SA WG1	7.1.3	Approval		Approved
SP-020064	TR 22.944, V2.0.0 "Report on Service Requirements for UE Functionality Split" Rel-5 – For Approval	SA WG1	7.1.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020065	Various New WIs for Approval	SA WG1	7.1.3	Approval		
SP-020066	Various Updated WIs for Approval	SA WG1	7.1.3	Approval	SP-020163	WLAN approved in SP-020006. GUP updated in SP-020163
SP-020067	Proposed CR to 22.060: Editorial CR to correct terms and references (Rel-4)	Lucent Technologies	7.1.3	Approval		Approved
SP-020068	Current Status of 3GPP SIP related Internet Draft dependencies	Dynamicsoft, Hutchison 3G	8.8	Information	SP-020125	Revised in SP-020125
SP-020069	Response LS from SA WG2 on Shared network scenarios considered by TSG-RAN3	SA WG2	7.2.2	Clarification		Noted
SP-020070	LS from SA WG2 on adapting to IETF improvements contained in "unified draft"	SA WG2	7.2.2	Information		Noted
SP-020071	TSG S4 Status Report at TSG-SA#15	SA WG4 Chairman	7.4.1	Information		Noted
SP-020072	AMR-WB codec references in TS 26.234 Release 4	SA WG4	7.4.3	Approval		Proposed solution to SP-020004 / SP-020009. CR to change ref to ITU-T Rec in SP-020173
SP-020073	3GPP TS 26.204 version 2.0.0 "ANSI-C code for the Floating-point Adaptive Multi-Rate Wideband (AMR-WB) speech codec" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020074	3GPP TS 26.236 version 2.0.0 "Packet Switched Conversational Multimedia Applications; Transport Protocols" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020075	3GPP TS 26.140 version 2.0.0 "Multimedia Messaging Service (MMS); Media formats and codecs" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020076	CRs to TS 06.74 on Correction to DTX text vectors (R98)	SA WG4	7.4.3	Approval		Approved
SP-020077	CRs to TS 26.101 on Correction of AMR codec output bit-stream (R99, Release 4)	SA WG4	7.4.3	Approval		Approved
SP-020078	CRs to TS 26.103 on Default Codec Type UMTS AMR_2 (R99, Release 4 and 5), Introduction of GERAN-8PSK Codec Types into Codec List (Release 5), and Introduction of codepoint for Dummy Codec for CS Multi Media (3G 324M) (Release 5)	SA WG4	7.4.3	Approval		CRs 015 and 017 approved. CRs 012, 013, 014 postponed for CN1 check
SP-020079	CRs to TS 26.104 on Maintaining bit-exactness with TS 26.073 (R99, Release 4)	SA WG4	7.4.3	Approval		Approved
SP-020080	CRs to TS 26.132 on Correction of references and editorial changes (wrong decimal separators) (R99, Release 4, Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020081	CRs to TS 26.173 on "Correction of mode reading and memory usage", "Correction of pitch calculation of AMR-WB encoder", and "Error concealment of high band gain in 23.85 kbit/s mode" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020082	CRs to TS 26.174 on "Update of AMR-WB test sequences" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020083	CR to TS 26.191 on "Error concealment of high band gain in 23.85 kbit/s mode" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020084	CR to TS 26.231 on "Request to remove the CTM tandeming requirement for handsets in the Minimum Performance Requirements" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020085	CRs to TS 26.233 on "Correction of missing use case example: PSS service activation via MMS" (Release 4)	SA WG4	7.4.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020086	CRs to TS 26.233 on "Consolidated addition of Release 5 PSS-E features to TS 26.233 Rel-4" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020087	CRs to TS 26.234 on "Corrections and Clarifications" (Release 4)	SA WG4	7.4.3	Approval		Approved
SP-020088	CRs to TS 26.234 on "Addition of Release 5 functionality" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020089	CR to TS 26.235 on "Update of AMR & AMR-WB RTP payload format" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020090	CRs to TS 28.062 Corrections to "In-band Tandem Free Operation (TFO) of Speech Codecs; Stage 3 - Service Description" (Release 4)	SA WG4	7.4.3	Approval		Approved
SP-020091	CRs to TS 28.062 on "Modification of TFO_Messages for AMR-WB introduction", on "Introduction of Generic Configuration Frames", and on "Inclusion of AMR-WB and OHR_AMR" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020092	CRs to TS 28.062 on "AMR-WB codec types and codec type OHR_AMR into reference implementation C-Code of AMR TFO decision rules" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020093	CR 008 to 21.101: "Correction to list of specs"	MCC (J. Meredith)	9.2	Approval		Approved
SP-020094	CR 005 to 21.102: "Correction to list of specs"	MCC (J. Meredith)	9.2	Approval	SP-020176	Revised in SP-020176
SP-020095	21.103 v1.1.0	MCC (J. Meredith)	9.2	Information	SP-020177	Revised in SP-020177
SP-020096	CR 005 to 01.01: "GSM Release 1999 specifications.	MCC (J. Meredith)	9.2	Approval	SP-020178	Revised in SP-020178
SP-020097	CR 004 to 41.102: "GSM Release 4 Specifications"	MCC (J. Meredith)	9.2	Approval	SP-020179	Revised in SP-020179
SP-020098	41.103 v1.1.0	MCC (J. Meredith)	9.2	Information	SP-020180	Revised in SP-020180
SP-020099	Specs status list prior to TSGs#15	MCC (J. Meredith)	8.6	Information		Noted
SP-020100	Specs status list at end of TSG-SA#15	MCC (J. Meredith)	9.1	Information		To be provided after close of meeting
SP-020101	List of specs / releases	MCC (J. Meredith)	9.1	Information		Noted
SP-020102	IPv4 Address Allocation Guidelines for GPRS Network	Cingular Wireless (USA) and BT Cellnet (UK)	7.9	Discussion / Information		Noted. Delegates asked to consider off-line
SP-020103	MCC review of the Work Plan at TSG #15	MCC (A. Sultan)	9.1	Presentation	SP-020190	Updated Work Plan in SP-020190
SP-020104	Work Plan version February 18th	MCC (A. Sultan)	9.1	Information		Noted
SP-020105	CR004 to TR 21.801: Correction of wrongly numbered table	MCC (J. Meredith)	9.2	Approval		Approved
SP-020106	Status report from SA WG3 to TSG SA#15	SA WG3 Chairman	7.3.1	Presentation		Noted
SP-020107	Reports of SA WG3 meetings held since TSG SA#14	SA WG3 Secretary	7.3.1	Information		Noted
SP-020108	CR to 33.102: Removal of Tr mode DCCH (R99)	SA WG3	7.3.3	Approval		Approved
SP-020109	CR to 33.107: PDP context Deactivation cause (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020110	CR to 33.107: The use of H.248 in setting up a bearer intercept point at the MGW (Rel-5)	SA WG3	7.3.3	Approval	SP-020160	Cover sheet errors corrected in SP-020160
SP-020111	3 CRs to 33.107: Inter-SGSN RA update with active PDP context (R99, Rel-4, Rel-5)	SA WG3	7.3.3	Approval	SP-020161	Cover sheet errors corrected in SP-020161
SP-020112	CR to 33.107: Addition of PDP context modification Event and Transferring the QoS information element across the X2 interface (Rel-5)	SA WG3	7.3.3	Approval	SP-020162	Cover sheet errors corrected in SP-020162
SP-020113	CR to 43.035: IST implementation for non-CAMEL subscribers (Rel-4)	SA WG3	7.3.3	Approval		Alignment with R99 CR to 03.35. Approved -CN4 asked to verify changes and also applicability to UTRAN
SP-020114	CR to 33.200: NIST Special Publication 800-38A updates on MEA-1 (Rel-4)	SA WG3	7.3.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020115	Cover Sheet for 33.200 (MAPsec) Release 5 CR and CR to 33.200: Automatic Key Management (Rel-5)	SA WG3	7.3.3	Approval		Creates Rel-5 MAPsec with Automatic Key Management. Approved
SP-020116	Draft 33.203-2.0.0: aSIP - Access Security for IP-Based Services	SA WG3	7.3.3	Approval		Approved
SP-020117	Draft 33.210-200: Network Domain Security; IP network layer security (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020118	Draft 33.108-100: Handover Interface for Lawful Intercepion (Rel-5)	SA WG3	7.3.3	Approval		Noted
SP-020119	Revised WI on support of subscriber certificates	SA WG3	7.3.3	Approval		Approved
SP-020120	Revised WI on lawful interception in the 3GPP Rel-5 architecture	SA WG3	7.3.3	Approval		Approved
SP-020121	CR to 22.003 v 5.0.0: Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	Siemens, Nortel Networks	7.1.3	Approval	SP-020164	Corrections required, revised in SP-020164
SP-020122	The need for 3GPP long-term evolution	DTI, Hutchison 3G, mmO2, one2one, Orange, Vodafone	4 / 8.9	Discussion		ad-hoc group set up: report in SP-020199
SP-020123	Top-Level Domain for Mobile	Nokia	7.9	Discussion / Information		Presentation Slides attached. Noted
SP-020124	TSG GERAN Report to TSG SA#15	TSG GERAN Chairman	8.4.1	Information		Presented
SP-020125	Current Status of 3GPP SIP related Internet Draft dependencies	Dynamicsoft, Hutchison 3G	7.9	Information		
SP-020126	Proposed CRs to 22.101, 22.228: Correction of SIP RFC references	Dynamicsoft	7.1.2	Approval		Noted
SP-020127	3GPP-IETF Status Report to TSG SA#15	3GPP-IETF Rapporteur	7.9	Presentation		Presented
SP-020128	WITHDRAWN - Reallocated in SP-020181: Proposal to withdraw GSM 01.00	MCC (J. Meredith)	8.6	Approval	SP-020181	WITHDRAWN
SP-020129	Report from SA WG2 to TSG SA #15	SA WG2 Chairman + MCC	7.2.1	Information		Noted
SP-020130	CRs on 23.002 (Network Architecture)	SA WG2	7.2.3	Approval	SP-020165	Updated to correct cover sheets etc. in SP-020165
SP-020131	CRs on 23.060 Rel99 (v.3.10.0), Rel4 (v.4.3.0) and Rel5 (v.5.0.0): (GPRS/PS domain stage 2)	SA WG2	7.2.3	Approval		CRs 302r1 was rejected. Other CRs approved
SP-020132	CRs on 23.107 rel99 (v.3.7.0), Rel-4 (v. 4.3.0), and Rel-5 (v. 5.3.0) (QoS)	SA WG2	7.2.3	Approval		Approved
SP-020133	CR on 23.127 Rel-4 (v.4.3.0) and Rel-5 (v.5.0.0) (VHE/OSA)	SA WG2	7.2.3	Approval		Approved
SP-020134	CRs on 23.207 v.5.2.0 (E2E QoS)	SA WG2	7.2.3	Approval		Approved
SP-020135	CRs on 23.221 v.5.3.0 (Architecture Requirements)	SA WG2	7.2.3	Approval		Approved
SP-020136	CRs on 23.228 v.5.3.0 (IMS Stage 2)	SA WG2	7.2.3	Approval		CR148r2 was rejected. Other CRs approved. CR148r2 resubmitted in SP-020189
SP-020137	CRs on 23.236 v.5.1.0 (Iu Flex Stage 2)	SA WG2	7.2.3	Approval		Approved
SP-020138	CRs on LCS: 03.71 v.7.8.0 and v.8.4.0, 23.171 v.3.6.0, 23.271 v.4.4.0 and 5.1.0 (LCS Stage 2)	SA WG2	7.2.3	Approval		Approved
SP-020139	WID on inter-GMLC interface	SA WG2	7.2.3	Approval		Approved
SP-020140	WID on Feasibility study on Dynamic Policy Control enhancements for end-to-end QoS	SA WG2	7.2.3	Approval		Approved
SP-020141	Revised WID on LCS enhancements in Rel5	SA WG2	7.2.3	Approval	SP-020166	Release info removed in SP-020166
SP-020142	WID on LCS enhancements in Rel6	SA WG2	7.2.3	Approval		Not Approved until Stage 1 requirements available
SP-020143	WID on S2 implication in UMTS/WLAN interworking	SA WG2	7.2.3	Approval		Approved
SP-020144	TR 23.815 v.2.0.0 on "Charging implication of IMS architecture"	SA WG2	7.2.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020145	TR 23.871 v.2.0.0: "Enhanced Support for User Privacy in LCS"	SA WG2	7.2.3	Approval		Noted - to be updated and re-submitted for approval
SP-020146	LS from SA WG4 to TSG T on mandatory support of UMTS AMR2 in dual mode terminals	TSG T	6.2	Discussion		SA WG1 specification provide default requirements for SA WG4 specs
SP-020147	Report from TSG CN to TSG SA#15	TSG CN Chairman	8.3.1	Discussion		Noted
SP-020148	TSG CN Report - Presentation slides	TSG CN Chairman	8.1.1	Information		Noted
SP-020149	3GPP IETF Dependencies and Priorities	TSG CN Chairman	8.1.1	Presentation	SP-020185	Revised in SP-020185
SP-020150	RFC numbers allocated by IETF	TSG CN Chairman	8.1	Information		Noted
SP-020151	Agenda for IP Core Network Harmonization Meeting	TSG CN Chairman	8.1	Information		Agenda noted. Letter to OHG in Sp-020188
SP-020152	Liaison from TSG T on guidance to coordinate Generic User Profile (GUP) work	TSG T	8.3.1	Discussion		See SP-020191 conclusion
SP-020153	Proposed CRs to 23.207, 23.226, 23.228: Correction of SIP RFC references	Dynamicsoft	7.2.3	Approval		Approved
SP-020154	Proposed CR to 26.235: Correction of SIP RFC references	Dynamicsoft	7.4.3	Approval		Approved
SP-020155	Liaision Statement on Agreed Position on the question of 3 digit MNCs	Chair GSME	6.3	Discussion		Response in SP-020157
SP-020156	TR 23.841 v.1.0.0: "Presence Service; Architecture and Functional Description"	SA WG2	7.2.3	Information		Noted
SP-020157	Response to SP-020155 (Steve Mecro)	TSG SA	6.3	Approval		Approved
SP-020158	CRs to 22.011 R99/Rel-4 on clarification of the term 'country'	SA WG1	7.1.3	Approval		Approved
SP-020159	WITHDRAWN 23.271 CR075r4: Deferred Location Request with Change of Area Event	Nokia, NEC	7.2.3	Approval		WITHDRAWN
SP-020160	CR to 33.107: The use of H.248 in setting up a bearer intercept point at the MGW (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020161	3 CRs to 33.107: Inter-SGSN RA update with active PDP context (R99, Rel-4, Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020162	CR to 33.107: Addition of PDP context modification Event and Transferring the QoS information element across the X2 interface (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020163	revisiod WID on GUP (from SP-020066 with revision marks)	SA WG1	7.1.3	Approval		Approved
SP-020164	CR to 22.003 v 5.0.0: Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	Siemens, Nortel Networks	7.1.3	Approval		Approved
SP-020165	CRs on 23.002 (Network Architecture)	SA WG2	7.2.3	Approval		Approved
SP-020166	Revised WID on LCS enhancements in Rel5	SA WG2	7.2.3	Approval		Approved (unless big problem with new version)
SP-020167	Rel-5 CR 32.403 (Performance measurements - UMTS and combined UMTS/GSM) Introduction of "Performance Measurements Definition Process" describing the repeatable, top-down process to define measurements for inclusion in future 3GPP Releases	SA WG5	7.5.3	Approval		Rejected
SP-020168	TSG-SA WG5 (Telecom Management) Status Report	SA WG5 Chairman	7.5.1	Presentation		Noted
SP-020169	Concerns about the IP Harmonisation Workshop	AWS	8.1.1	Discussion		Discussed. Letter clarifying 3GPP position in SP-020188
SP-020170	TSG RAN report to TSG SA#15	TSG RAN Chairman	8.2.1	Presentation		Presented and noted
SP-020171	MBMS Workshop	TSG RAN Chairman	13	Discussion / Decision		Noted. Member companies asked to send relevant experts
SP-020172	TSG T report to TSG SA#15	TSG T Chairman	8.3.1	Presentation		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020173	CR to TS 26.234 on " References to "3GPP AMR-WB codec" replaced by "ITU-T Rec. G.722.2" and "RFC 3267"" (Release 4)	SA WG4 Secretary	7.4.2 / 7.4.3	Approval		Approved
SP-020174	CR to 33.203: Correction of references to obsolete SIP RFC 2543bis IETF internet draft (Rel-5)	Dynamicsoft	7.3.3	Approval		Approved
SP-020175	CR to 33.203: Removal of reference to non Operator IMS provision (Rel-5)	mmO2, TIM	7.3.3	Approval		Approved
SP-020176	CR 005 to 21.102: "Correction to list of specs"	MCC (J. Meredith)	8.6	Approval		Approved
SP-020177	21.103 v1.2.0: 3rd Generation mobile system Release 5 specifications	MCC (J. Meredith)	8.8	Approval	SP-020202	To be provided in SP-020202
SP-020178	CR 005 to 01.01: "GSM Release 1999 specifications.	MCC (J. Meredith)	8.6	Information		Approved
SP-020179	CR 004 to 41.102: "GSM Release 4 Specifications"	MCC (J. Meredith)	8.6	Approval		Approved
SP-020180	3GPP TS 41.103 v1.1.0: "GSM Release 5 specifications"	MCC (J. Meredith)	8.8	Approval	SP-020203	To be provided in SP-020203
SP-020181	proposal to withdraw 01.00	MCC (J. Meredith)	8.8	Approval		Approved
SP-020182	propagation of specs to Rel-5	MCC (J. Meredith)	8.8	Approval		Agreed
SP-020183	draft specs to frozen releases	MCC (J. Meredith)	8.8	Approval		List to be checked and status provided
SP-020184	proposal to promote specs to later releases	MCC (J. Meredith)	8.8	Approval		SA WG5 and GERAN to check proposals
SP-020185	3GPP IETF Dependencies and Priorities	TSG CN Chairman	8.1.1	Presentation		Noted
SP-020186	Consideration on 43.035 (Remark on SP-020113)	Siemens	7.3.3	Discussion		Discussed
SP-020187	Draft report from TSG T#15, Jeju, 6 - 8 March 2002	TSG T Secretary	8.3.1	Information		Noted
SP-020188	Letter from TSG CN Chairman Re: Workshop participation	TSG CN Chairman	8.1.1	Approval		Approved
SP-020189	CR to 23.228 CR148r3: Introduction of ISIM application on the UICC	Vodafone	7.2.3	Approval		Approved
SP-020190	Revised review of the Work Plan	MCC (A. Sultan)	7.6	Presentation	SP-020196	Discussed and Rel-5 content developed. Updated version in SP-020196
SP-020191	Generic User Profile Task List	Ericsson, Siemens	8.3.1	Discussion		Discussed. SA WG2 to elaborate GUP work and distribute tasks to WGs
SP-020192	Report of Support Team activities	MCC (A. Scrase)	10	Information		Discussed and Noted
SP-020193	CR010r1 to 22.140 on Support of charging models in MMS	Vodafone Group	7.1.3	Approval		Approved
SP-020194	3GPP TSGs Meeting Calendar	MCC (A Scrase)	12	Information		Noted.
SP-020195	CR to 22.140 on Automatic bearer selection for MMS delivery and submission	T-Mobile, Vodafone Group, Orange	7.1.3	Approval		Approved
SP-020196	Revised Work Plan after discussion at TSG SA#15	MCC (A. Sultan)	7.6	Information		Noted. Updated in SP-020201
SP-020197	WITHDRAWN Renumbering of specs to reflect access-technology-independence of IST	MCC (J. Meredith)		Approval		WITHDRAWN
SP-020198	CR to 23.271: Adding references to the LIF MLP specification for the Le interface	SA WG2 Secretary	7.2.3	Approval		Approved
SP-020199	Draft Minutes of off-line meeting on SP-0200122 (The need for 3GPP long-term evolution)	TSG SA Vice Chairman		Information		Endorsed
SP-020200	Resolution on IMS Integrity Protection	SA WG3 Chairman, Ericsson, Siemens	7.3.3	Information		procedure endorsed
SP-020201	Revised Work Plan after discussion at TSG SA#15	MCC (A. Sultan)	7.6	Information		Noted
SP-020202	21.103 v1.2.0: 3rd Generation mobile system Release 5 specifications	MCC (J. Meredith)	8.8	Approval		
SP-020203	3GPP TS 41.103 v1.1.0: "GSM Release 5 specifications"	MCC (J. Meredith)	8.8	Approval		

Annex C: List of attendees and TSG SA Voting List

C.1 List of Attendees

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Mr. Tommi Kokkola	NOKIA Corporation	tommi.kokkola@nokia.com	+358 40 50 40 734	+358 40 50 40 734	+358 7180 30163	3GPPMEMBER	ETSI	FI
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Mr. Kari Lang	NOKIA Corporation	kari.j.lang@nokia.com	+358 50 1846	+358 50 1846	+358 7180 36856	3GPPMEMBER	ETSI	FI
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Mr. Chenguang Li	CATT	licg@pub.tdscdma.com		+86-10-62304466-2117	+86-10-62304701	3GPPMEMBER	CWTS	CN
Mr. Neil Lilly	Lucent Technologies N. S. UK	nlilly@lucent.com	+44 797 491 9632	+44 1793 776185	+44 1793 883244	3GPPMEMBER	ETSI	GB
Ms. Heeseon Lin	KT ICOM					3GPPMEMBER	TTA	KR
Dr. Bengt-Ake Lindholm	TELIA AB	bengt-ake.i.lindholm@telia.se	+46 70 655 52 66	+46 8 713 81 24	+46 8 713 81 49	3GPPMEMBER	ETSI	SE
Mr. Jun Lu	RITT	lujun@mail.ritt.com.cn		+86 10 6809 4404	+86 10 6803 4801	3GPPMEMBER	CWTS	CN
Mr. Philippe Lucas	ORANGE FRANCE	Ph.Lucas@francetelecom.com	+33 6 85 93 34 29	+33 1 55 22 56 86	+33 1 55 22 26 24	3GPPMEMBER	ETSI	FR
Dr. Hashem Madadi	Hutchison 3G UK Limited	hmadadi@attglobal.net	+44 777 332 9576	+44.1628.765.000	+44.1628.765.001	3GPPMEMBER	ETSI	GB

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Miss Luisa Marchetto	AT&T Wireless Services, Inc.	luisa.marchetto@attws.com		+425.580.6840		3GPPMEMBER	T1	US
Mr. Kari Marttinen	SONERA Corporation	kari.marttinen@sonera.com	+358400400068	+358204066816	+358420400068	3GPPMEMBER	ETSI	FI
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Mr. HIKARU MASUJIMA	Fujitsu Limited	masujima.hikaru@jp.fujitsu.com		+81 44 754 3851	+81 44 754 8552	3GPPMEMBER	ARIB	JP
Mr. Steve Mecrow	mmO2 plc	steve.mecrow@o2.com	+44 7710 028 511	+44 1 394 380694	+44 1 977 593823	3GPPMEMBER	ETSI	GB
Mr. John M Meredith	ETSI Secretariat	john.meredith@etsi.fr	+33 (0)6 10 42 03 76	+33 4 92 94 42 37	+33 (0)4 92 38 52 37	3GPPORG_REP	ETSI	FR
Mr. Jürgen Merkel	SIEMENS AG	juergen.merkel@icn.siemens.de		+49 89 722 59596	+49 89 722 21882	3GPPMEMBER	ETSI	DE
Mr. Hiroshi Nakamura	NTT DoCoMo Inc.	naka@nw.yrp.nttdocomo.co.jp		+81 468 40 3332	+81 468 40 3781	3GPPMEMBER	TTC	JP
Mr. Takaharu Nakamura	Fujitsu Limited	n.takaharu@jp.fujitsu.com		+81 468 37 5341	+81 468 47 5424	3GPPMEMBER	ARIB	JP
Dr. Peter Neumann	SIEMENS AG	peter.neumann@mch.siemens.de	+49 17 28 90 44 28	+49 89 72 23 67 18	+49 89 72 24 88 72	3GPPMEMBER	ETSI	DE
Mr. Bjarke Nielsen	QUALCOMM EUROPE S.A.R.L.	bnielsen@qualcomm.com	+49 1705488 456	+49 89 74140806	+49 89 7414 0808	3GPPMEMBER	ETSI	FR
Mr. Akishige Noda	Fujitsu Limited	aki.noda@jp.fujitsu.com		+81 44 75 44 142	+81 44 75 44 147	3GPPMEMBER	TTC	JP
Mr. Kazuo Nogami	Toshiba Corporation	kazuo1.nogami@toshiba.co.jp		+81-42-585-3351	+81-42-585-3699	3GPPMEMBER	ARIB	JP
Mr. Stig Ouvrier	TELIA AB	stig.g.ouvrier@telia.se	+46 70 5900 354	+46 70 5900354	+46 8 601 7268	3GPPMEMBER	ETSI	SE
Mr. Vinod Pandey	Cisco Systems Europe	vpandey@cisco.com		+1 408 853 9596	+1 408 853 0406	3GPPMEMBER	ETSI	FR
Mr. Ian David Chalmers Park	VODAFONE LTD	ian.park@vf.vodafone.co.uk	+44 7785 300 290	+44 1635 673 527	+44 1635 233 562	3GPPMEMBER	ETSI	GB
Mr. Sang-Keun Park	Samsung Electronics Co., Ltd	skpark@samsung.com	+82-11-349-6535	+82-31-280-9835	+82-31-280-1660	3GPPMEMBER	TTA	KR
Dr. SEUNGJOON PARK	LG Electronics Inc.	parksj@lge.com		+82-2-2005-2813	+82-2-2005-2810	3GPPMEMBER	TTA	KR
Mr. Hannu Pirila	NOKIA Corporation	hannu.i.pirila@nokia.com		+358 10 505 4536	+358 10 505 4770	3GPPMEMBER	ETSI	FI
Mr. Maurice Pope	ETSI Secretariat	maurice.pope@etsi.fr	+33 (0)6 07 59 08 49	+33 4 92 94 42 59	+33 4 92 38 52 59	3GPPORG_REP	ETSI	FR
Mr. Biplab Pramanik	Telcordia Technologies Inc.	bpramani@telcordia.com		+1 732 758 3258	+1 732 758 4450	3GPPMEMBER	T1	US
Mr. Mikko Puuskari	NOKIA Corporation	mikko.puuskari@nokia.com	+358 50 4837326	+358 50 4837326		3GPPMEMBER	ETSI	FI
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Mr. Kazuyoshi Sato	Mitsubishi Electric Co.	ka.sato@cew.melco.co.jp		+81 6 6495 6495	+81 6 6495 5266	3GPPMEMBER	ARIB	JP
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Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
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C.2   List of eligible Voting members for TSG SA#14

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #14 or #13 (representation of an Individual Member at any of TSG SA Meetings #13, #14 or #15).

<table>
<tr><td colspan="3">Voting list for 3GPP TSG SA
(Technical Specification Group - Services and System Aspects)</td></tr>
<tr><td colspan="3">List Created on: 02 April 2002</td></tr>
<tr><td colspan="3">This report shows the 3GPP Member Companies on the Voting List after TSG SA Meeting #15
Inclusion on the list is obtained by attending a meeting of TSG SA
A company is removed from this list if it is not represented at any of the 3 previous meetings of this group.
If you believe your company should be included in this list, please provide supporting information to MCC, the 3GPP Support Team at:
      3gppcontact@etsi.fr</td></tr>
<tr><th>Organisation Name</th><th>Organisation Status</th><th>Country</th></tr>
<tr><td>ALCATEL S.A.</td><td>3GPPMEMBER - ETSI</td><td>FR</td></tr>
<tr><td>AT&T Wireless Services, Inc.</td><td>3GPPMEMBER - T1</td><td>US</td></tr>
<tr><td>BLU S.p.a</td><td>3GPPMEMBER - ETSI</td><td>IT</td></tr>
<tr><td>BMWi</td><td>3GPPMEMBER - ETSI</td><td>DE</td></tr>
<tr><td>BT Group Plc</td><td>3GPPMEMBER - ETSI</td><td>GB</td></tr>
<tr><td>CATT</td><td>3GPPMEMBER - CWTS</td><td>CN</td></tr>
<tr><td>CCL/ITRI</td><td>3GPPMEMBER - ETSI</td><td>TW</td></tr>
<tr><td>CEGETEL</td><td>3GPPMEMBER - ETSI</td><td>FR</td></tr>
<tr><td>CETECOM GmbH</td><td>3GPPMEMBER - ETSI</td><td>DE</td></tr>
<tr><td>China Mobile Company Corp.</td><td>3GPPMEMBER - CWTS</td><td>CN</td></tr>
<tr><td>Cingular Wireless LLC</td><td>3GPPMEMBER - T1</td><td>US</td></tr>
<tr><td>Cisco Systems Europe</td><td>3GPPMEMBER - ETSI</td><td>FR</td></tr>
<tr><td>Cisco Systems Inc.</td><td>3GPPMEMBER - T1</td><td>US</td></tr>
<tr><td>CommWorks Corporation</td><td>3GPPMEMBER - ETSI</td><td>US</td></tr>
<tr><td>COMNEON GmbH & Co</td><td>3GPPMEMBER - ETSI</td><td>DE</td></tr>
<tr><td>Comverse Network Systems</td><td>3GPPMEMBER - ETSI</td><td>NL</td></tr>
<tr><td>Conexant Systems, Inc.</td><td>3GPPMEMBER - T1</td><td>US</td></tr>
<tr><td>DoCoMo Europe S.A.</td><td>3GPPMEMBER - ETSI</td><td>FR</td></tr>
<tr><td>DTI</td><td>3GPPMEMBER - ETSI</td><td>GB</td></tr>
<tr><td>dynamicsoft Inc.</td><td>3GPPMEMBER - T1</td><td>US</td></tr>
<tr><td>Ericsson Inc.</td><td>3GPPMEMBER - T1</td><td>US</td></tr>
<tr><td>Ericsson Korea</td><td>3GPPMEMBER - TTA</td><td>KR</td></tr>
<tr><td>ERICSSON L.M.</td><td>3GPPMEMBER - ETSI</td><td>SE</td></tr>
<tr><td>ETRI</td><td>3GPPMEMBER - TTA</td><td>KR</td></tr>
<tr><td>FEEI</td><td>3GPPMEMBER - ETSI</td><td>AT</td></tr>
<tr><td>Fraunhofer Gesellschaft</td><td>3GPPMEMBER - ETSI</td><td>DE</td></tr>
<tr><td>FUJITSU Laboratories of Europe</td><td>3GPPMEMBER - ETSI</td><td>GB</td></tr>
<tr><td>Fujitsu Limited</td><td>3GPPMEMBER - ARIB</td><td>JP</td></tr>
<tr><td>Fujitsu Limited</td><td>3GPPMEMBER - TTC</td><td>JP</td></tr>
<tr><td>GIESECKE & DEVRIENT GmbH</td><td>3GPPMEMBER - ETSI</td><td>DE</td></tr>
<tr><td>HuaWei Technologies Co., Ltd</td><td>3GPPMEMBER - CWTS</td><td>CN</td></tr>
<tr><td>Hutchison 3G UK Limited</td><td>3GPPMEMBER - ETSI</td><td>GB</td></tr>
<tr><td>J-Phone Co., Ltd.</td><td>3GPPMEMBER - ARIB</td><td>JP</td></tr>
<tr><td>J-Phone Co., Ltd.</td><td>3GPPMEMBER - TTC</td><td>JP</td></tr>
<tr><td>Korea Telecom Freetel</td><td>3GPPMEMBER - TTA</td><td>KR</td></tr>
<tr><td>KPN NV</td><td>3GPPMEMBER - ETSI</td><td>NL</td></tr>
<tr><td>KT ICOM</td><td>3GPPMEMBER - TTA</td><td>KR</td></tr>
<tr><td>LG Electronics Inc.</td><td>3GPPMEMBER - TTA</td><td>KR</td></tr>
<tr><td>Lucent Technologies</td><td>3GPPMEMBER - T1</td><td>US</td></tr>
<tr><td>Lucent Technologies B.V.</td><td>3GPPMEMBER - ETSI</td><td>NL</td></tr>
<tr><td>Lucent Technologies N. S. UK</td><td>3GPPMEMBER - ETSI</td><td>GB</td></tr>
<tr><td>MARCONI COMMUNICATIONS</td><td>3GPPMEMBER - ETSI</td><td>GB</td></tr>
<tr><td>Materna GmbH</td><td>3GPPMEMBER - ETSI</td><td>DE</td></tr>
<tr><td>Matsushita Communication</td><td>3GPPMEMBER - ARIB</td><td>JP</td></tr>
<tr><td>MATSUSHITA COMMUNICATION</td><td>3GPPMEMBER - ETSI</td><td>GB</td></tr>
<tr><td>MICROSOFT EUROPE SARL</td><td>3GPPMEMBER - ETSI</td><td>FR</td></tr>
<tr><td>Mitsubishi Electric Co.</td><td>3GPPMEMBER - ARIB</td><td>JP</td></tr>
<tr><td>MITSUBISHI Electric Telecom</td><td>3GPPMEMBER - ETSI</td><td>FR</td></tr>
<tr><td>mmO2 plc</td><td>3GPPMEMBER - ETSI</td><td>GB</td></tr>
</table>

Organisation Name	Organisation Status	Country
MOTOROLA A/S	3GPPMEMBER - ETSI	DK
MOTOROLA GmbH	3GPPMEMBER - ETSI	DE
MOTOROLA S.A.	3GPPMEMBER - ETSI	FR
MOTOROLA SEMICONDUCTOR ISRAEL	3GPPMEMBER - ETSI	IL
National Communications System	3GPPMEMBER - ETSI	US
NEC Corporation	3GPPMEMBER - ARIB	JP
NEC Corporation	3GPPMEMBER - TTC	JP
Nippon Ericsson K.K.	3GPPMEMBER - ARIB	JP
Nippon Ericsson K.K.	3GPPMEMBER - TTC	JP
NOKIA Corporation	3GPPMEMBER - ETSI	FI
Nokia Telecommunications Inc.	3GPPMEMBER - T1	US
NOKIA UK Ltd	3GPPMEMBER - ETSI	GB
NORTEL NETWORKS (EUROPE)	3GPPMEMBER - ETSI	GB
NTT	3GPPMEMBER - ARIB	JP
NTT	3GPPMEMBER - TTC	JP
NTT COMWARE Corporation	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - ARIB	JP
ÖFEG	3GPPMEMBER - ETSI	AT
Openwave Systems (N.I.) Ltd	3GPPMEMBER - ETSI	GB
ORANGE FRANCE	3GPPMEMBER - ETSI	FR
ORANGE PCS LTD	3GPPMEMBER - ETSI	GB
PANASONIC Deutschland GmbH	3GPPMEMBER - ETSI	DE
PTK CENTERTEL	3GPPMEMBER - ETSI	PL
QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER - ETSI	FR
RIM	3GPPMEMBER - ETSI	CA
RITT	3GPPMEMBER - CWTS	CN
Rogers Wireless Inc.	3GPPMEMBER - T1	CA
SAGEM Group	3GPPMEMBER - ETSI	FR
SAMSUNG Electronics	3GPPMEMBER - ETSI	GB
SAMSUNG Electronics Co.	3GPPMEMBER - ARIB	JP
Samsung Electronics Co., Ltd	3GPPMEMBER - TTA	KR
SBC Communications Inc.	3GPPMEMBER - T1	US
Serome Technology, Inc.	3GPPMEMBER - TTA	KR
SHANG HAI BELL	3GPPMEMBER - CWTS	CN
SHARP Corporation	3GPPMEMBER - ARIB	JP
SIEMENS AG	3GPPMEMBER - ETSI	DE
SIEMENS ATEA NV	3GPPMEMBER - ETSI	BE
SIEMENS ICN S.p.A	3GPPMEMBER - ETSI	IT
SK Telecom	3GPPMEMBER - TTA	KR
SONERA Corporation	3GPPMEMBER - ETSI	FI
Sonera SmartTrust AB	3GPPMEMBER - ETSI	SE
SONY Corporation	3GPPMEMBER - ARIB	JP
sunrise	3GPPMEMBER - ETSI	CH
SWISSCOM	3GPPMEMBER - ETSI	CH
T-MOBILE DEUTSCHLAND	3GPPMEMBER - ETSI	DE
TEKTRONIX GmbH & Co KG	3GPPMEMBER - ETSI	DE
Telcordia Technologies Inc.	3GPPMEMBER - T1	US
TELECOM ITALIA S.p.A.	3GPPMEMBER - ETSI	IT
TELEFONICA de España S.A.	3GPPMEMBER - ETSI	ES
Telekom Austria AG	3GPPMEMBER - ETSI	AT
TELENOR AS	3GPPMEMBER - ETSI	NO
TELIA AB	3GPPMEMBER - ETSI	SE
Toshiba Corporation	3GPPMEMBER - ARIB	JP
TruePosition Inc.	3GPPMEMBER - T1	US
Unisys Deutschland GmbH	3GPPMEMBER - ETSI	DE
VIP-NET GSM d.o.o.	3GPPMEMBER - ETSI	HR
Vodafone D2 GmbH	3GPPMEMBER - ETSI	DE
VODAFONE Group Plc	3GPPMEMBER - ETSI	GB
VODAFONE LTD	3GPPMEMBER - ETSI	GB
VoiceStream Wireless Corp.	3GPPMEMBER - ETSI	US
VoiceStream Wireless Corp.	3GPPMEMBER - T1	US
Xfera Móviles, S.A.	3GPPMEMBER - ETSI	ES
ZTE Corporation	3GPPMEMBER - CWTS	CN

Annex D: Status list of Specifications and Reports after TSG SA Meeting #15

D.1   Release 1999 GSM Specifications and reports

See also: http://www.3gpp.org/3G_Specs/3G_Specs.htm

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	01.01	GSM Release 1999 Specifications	8.5.0	R99	SP	MEREDITH, John M	
TR	01.04	Abbreviations and acronyms	8.0.0	R99	GP	CLAYTON, Michael	.
TR	01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	8.0.0	R99	S3	WRIGHT, Tim	.
TR	01.33	Lawful Interception requirements for GSM	8.0.0	R99	S3	MCKIBBEN, Bernie	.
TS	01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	8.0.0	R99	S3	WALKER, Michael	.
TS	02.09	Security aspects	8.0.1	R99	S3	CHRISTOFFERSSON, Per	.
TS	02.17	Subscriber Identity Module (SIM); Functional characteristics	8.0.0	R99	T3	HOOKER, Philip	
TS	02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	8.0.0	R99	T3	DIETRICH, Christian	Target: Mid-2001; must await stable 11.14 R99. TP-12: approved. 2002-01-31: (Sanders) reinstated to fill the gap between R98 and Rel-4!
TS	02.31	Fraud Information Gathering System (FIGS); Service description; Stage 1	8.0.1	R99	S3	WRIGHT, Tim	.
TS	02.32	Immediate Service Termination (IST); Service description; Stage 1	8.0.1	R99	S3	WRIGHT, Tim	.
TS	02.33	Lawful Interception (LI); Stage 1	8.0.1	R99	S3	MCKIBBEN, Bernie	.
TS	02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1	8.0.0	R99	S1	KOKKOLA, Tommi	TSG#11:R98 upgraded to Rel-4 (42.043) so assume we need a Rel-1999 version too!
TS	02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	8.0.0	R99	T3	BARNES, Nigel	.
TS	02.53	Tandem Free Operation (TFO); Service description; Stage 1	8.0.1	R99	S4	NAVARRO, William	Nov-00: Created to fill the gap.
TS	02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	8.0.1	R99	S1	GALLIGO, Michel	.
TS	02.68	Voice Group Call Service (VGCS); Stage 1	8.1.0	R99	S1	GILES, Les	
TS	02.69	Voice Broadcast Service (VBS); Stage 1	8.1.0	R99	S1	GILES, Les	. TSG#10:8.1.0
TS	02.76	Noise Suppression for the AMR	8.0.1	R99	S4	USAI, Paolino	
TS	02.94	Follow Me Service description; Stage 1	8.0.0	R99	S1	CLAYTON, Michael	#28: 1.0.0 #30: 8.0.0 August 2001: still debating whether this is GSM-only or common.
TS	02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1	8.0.0	R99	S1	CLAYTON, Michael	.
TR	03.05	Technical performance objectives	8.0.0	R99	NP	BOSWARTHICK, David	.
TS	03.10	GSM Public Land Mobile Network (PLMN) Connection Types	8.3.0	R99	N3	BOSWARTHICK, David	
TS	03.13	Discontinuous Reception (DRX) in the GSM System	8.0.0	R99	G1	USAI, Paolino	.
TS	03.19	GSM API for SIM toolkit stage 2	8.3.0	R99	T3	DIETRICH, Christian	Target: Mid-2001; must await stable 11.14 R99. TSG#10:8.0.0 TSG#11:8.1.0
TS	03.20	Security-related Network Functions	8.1.0	R99	S3	NGUYEN NGOC, Sebastien	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode	8.5.0	R99	G1	ANDERSEN, Niels Peter Skov	
TR	03.26	Multiband operation of GSM/DCS 1800 by a single operator	8.0.0	R99	G1	ANDERSEN, Niels Peter Skov	.
TR	03.30	Radio Network Planning Aspects	8.3.0	R99	GP	TEGTH, Ulf	#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0
TS	03.31	Fraud Information Gathering System (FIGS); Service description; Stage 2	8.0.0	R99	S3	WRIGHT, Tim	.
TS	03.33	Lawful Interception; Stage 2	8.1.0	R99	S3	MCKIBBEN, Bernie	TSG#10:8.1.0
TS	03.35	Immediate Service Termination (IST); Stage 2	8.1.0	R99	S3	WRIGHT, Tim	
TS	03.45	Technical Realization of Facsimile Group 3 Service - transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.46	Technical Realization of Facsimile Group 3 Service - non transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.48	Security mechanisms for SIM application toolkit; Stage 2	8.8.0	R99	T3	BARNES, Nigel	
TS	03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	8.1.1	R99	S4	USAI, Paolino	#32:8.1.0
TS	03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	8.0.1	R99	G1	GIRAUD, Alexis	.
TS	03.53	Tandem Free Operation (TFO); Service description; Stage 2	8.0.0	R99	S4	FAUCONNIER, Denis	.
TS	03.55	Dual Transfer Mode (DTM); Stage 2	8.0.0	R99	G1	CARRIZO MARTÍNEZ, José Luis	GERAN#2: 8.0.0
TR	03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	8.0.0	R99	S4	MONFORT, Jean-Yves	.
TS	03.64	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	8.10.0	R99	G1	LEPPISAARI, Arto	
TS	03.68	Voice Group Call Service (VGCS); Stage 2	8.2.0	R99	N1	GARAPATY, Sonia	#31: 8.0.0 TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0
TS	03.69	Voice Broadcast service (VBS); Stage 2	8.2.0	R99	N1	MÜNNING, Dirk	TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0
TS	03.71	Location Services (LCS); Functional description; Stage 2	8.5.0	R99	S2	BROOK, Richard	Need identified at TSG#7, since 23.171 does not cover GSM.
TS	04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	8.0.0	R99	N1	ANDERSEN, Niels Peter Skov	#31: 8.0.0
TS	04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.04	Layer 1 - General Requirements	8.1.1	R99	G2	ISAACS, Ken	
TS	04.05	Data Link (DL) Layer General Aspects	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	8.2.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.08	Mobile radio interface layer 3 specification	8.0.0	R99	N1	HOWELL, Andrew	#29: 8.0.0 but this should not have been created! (24.008 instead). NP-13: 04.09 R99 reinstated until all references corrected (= never!). 2002-02-18: To be withdrawn at NP-15!
TS	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	Replaces 24.012 R99.
TS	04.13	Performance Requirements on Mobile Radio Interface	8.0.1	R99	N1	PUDNEY, Chris	#31: 8.0.0
TS	04.14	Individual equipment type requirements and interworking; Special conformance testing functions	8.3.0	R99	G2	HOWELL, Andrew	#32:8.1.0
TS	04.18	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	8.13.0	R99	G2	HOWELL, Andrew	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	8.3.0	R99	N3	RÄSÄNEN, Juha	#29: 8.0.0 TSG#8:8.1.0 TSG#9:8.2.0 TSG#10:8.3.0
TS	04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	8.8.0	R99	G2	GARAPATY, Sonia	
TS	04.35	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	8.4.0	R99	G2	GARAPATY, Sonia	
TS	04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	#31: 8.0.0
TS	04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	#31: 8.0.0
TS	04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	8.13.0	R99	G2	BLACK, Jyoti	
TS	04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	8.7.0	R99	N1	SALKINTZIS, Apostolis	
TS	04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	8.2.0	R99	N1	SALKINTZIS, Apostolis	
TS	04.68	Group Call Control (GCC) Protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.69	Broadcast Call Control (BCC) protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.71	Location Services (LCS); Mobile radio interface layer 3 specification	8.3.0	R99	G2	ANDERSEN, Niels Peter Skov	#32:8.1.0
TS	05.01	Physical Layer on the Radio Path (General Description)	8.6.0	R99	G1	JOKINEN, Harri	
TS	05.02	Multiplexing and Multiple Access on the Radio Path	8.10.0	R99	G1	SÉBIRE, Benoist	
TS	05.03	Channel coding	8.6.1	R99	G1	SÉBIRE, Benoist	#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0 GERAN#2:8.6.0
TS	05.04	Modulation	8.4.0	R99	G1	SÉBIRE, Benoist	
TS	05.05	Radio Transmission and Reception	8.11.0	R99	G1	SAMUELSSON, Mats	
TS	05.08	Radio Subsystem Link Control	8.13.0	R99	G1	EL-SAIGH, Amer	
TS	05.09	Link adaptation	8.5.0	R99	G1	ANDERSEN, Niels Peter Skov	
TS	05.10	Radio subsystem synchronization	8.9.0	R99	G1	JOKINEN, Harri	
TR	05.22	Radio link management in hierarchical networks	8.0.0	R99	G1	VAN BUSSEL, Han	.
TR	05.50	Background for RF Requirements	8.2.0	R99	G1	ANDERSEN, Niels Peter Skov	#30: 8.0.0 #31:8.1.0 #31b:8.2.0
TS	05.56	CTS-FP Radio Sub-system	8.0.1	R99	G1	USAI, Paolino	.
TS	06.01	Full Rate Speech Processing Functions	8.0.1	R99	S4	USAI, Paolino	.
TS	06.02	Half Rate Speech Processing Functions	8.0.0	R99	S4	AFTELAK, Steve	.
TS	06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	.
TR	06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	8.0.0	R99	S4	SALEM, Tarek	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	06.10	Full Rate Speech Transcoding	8.2.0	R99	S4	LORENZ, Dietmar	
TS	06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	8.0.1	R99	S4	NAVARRO, William	.
TS	06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	8.1.0	R99	S4	SERENO, Daniele	.
TS	06.20	Half Rate Speech Transcoding	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.21	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	.
TS	06.32	Voice Activity Detection (VAD)	8.0.1	R99	S4	BARRETT, Paul	.
TS	06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	.
TS	06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	BARRETT, Paul	.
TS	06.51	GSM Enhanced full rate speech processing functions: General description	8.2.0	R99	S4	JÄRVINEN, Kari	#32:8.1.0 TSG#10:8.2.0
TS	06.53	ANSI-C code for the GSM Enhanced full rate speech codec	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	8.2.0	R99	S4	JÄRVINEN, Kari	#32:8.1.0 TSG#10:8.2.0
TR	06.55	Performance characterisation of the GSM EFR Speech Codec	8.0.0	R99	S4	SALEM, Tarek	.
TS	06.60	Enhanced full rate speech transcoding	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TR	06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report	8.0.1	R99	S4	USAI, Paolino	
TS	06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	8.1.1	R99	S4	USAI, Paolino	#32:8.0.0 TSG#11:8.1.0
TR	06.78	Results of the AMR noise suppression selection phase	8.0.0	R99	S4	USAI, Paolino	#32:8.0.0
TS	06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TR	06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	8.0.0	R99	S4	USAI, Paolino	.
TS	08.01	General Aspects on the BSS-MSC Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	08.08	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	8.12.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	8.9.0	R99	G2	BLACK, Jyoti	
TS	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	8.4.1	R99	N3	RÄSÄNEN, Juha	
TS	08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	8.1.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.54	BSC-BTS Layer 1; Structure of Physical Circuits	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.56	BSC-BTS Layer 2; Specification	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	8.6.0	R99	G2	ANDERSEN, Niels Peter Skov	#29: 8.0.0 #30: 8.1.0 #30: 8.2.0 #31:8.3.0 #31b:8.4.0 GERAN#1:8.5.0 GERAN#2:8.6.0
TS	08.60	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	8.2.0	R99	G1	ANDERSEN, Niels Peter Skov	
TS	08.61	In-band control of remote transcoders and rate adaptors for half rate traffic channels	8.1.0	R99	G1	ANDERSEN, Niels Peter Skov	.
TS	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	8.0.1	R99	S4	USAI, Paolino	.
TS	08.71	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	8.5.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	09.01	General Network Interworking Scenarios	8.0.0	R99	N4	VACANT,	.
TS	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.1.0	R99	N1	JUKIC, Zdravko	#31: 8.0.0 TSG#10:8.1.0
TS	09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	8.5.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	8.0.0	R99	S2	GALLIGO, Michel	
TR	10.59	Project scheduling and open issues for EDGE	8.0.0	R99	G1	MUELLER, Frank	
TS	11.10-1	Mobile station (MS) conformance specification; Part1: Conformance specification	8.3.0	R99	G5	SALMERON, Lidia	#32:closed. #32:8.2.0 GP-06: Rel-4 serves all releases. GP-06: reopened and reclosed!
TS	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	8.6.0	R99	T3	GUTHERY, Scott B.	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	11.14	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.10.0	R99	T3	WOODSEND, Kristian	TP-11to be :withdrawn at TP-12, subsumed in 31.111; however, CR approved at TP-12, so assume not yet withdrawn!
TS	11.21	Base Station System (BSS) equipment specification; Radio aspects	8.6.0	R99	G3	VACANT,	
TS	11.26	GSM Repeater Equipment Specification	8.0.2	R99	G3	VACANT,	
TS	12.03	Security Management	8.0.0	R99	S5	TRUSS, Michael	
TS	12.04	Performance data measurements	8.0.0	R99	S5	NENNER, Karl-Heinz	
TS	12.71	Location Services (LCS); Location services management	8.0.1	R99	S5	GARAPATY, Sonia	TSG#8:8.0.0 (2.0.1) TSG#11:S5 will no longer maintain.

D.2   Release 1999 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	21.101	3rd Generation mobile system Release 1999 Specifications	3.7.0	R99	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	3.3.0	R99	T3	KALINER, Stefan	
TS	21.133	3G security; Security threats and requirements	3.2.0	R99	S3	CHRISTOFFERSSON, Per	.
TR	21.810	Report on multi-mode UE issues; ongoing work and identified additional work	3.0.0	R99	T2	PERSSON, Sofi	TSG#7:2.0.0 - number changed from 21.910. Not approved. 2.0.0
TR	21.900	Technical Specification Group working methods	3.6.0	R99	SP	MEREDITH, John M	
TR	21.904	User Equipment (UE) capability requirements	3.4.0	R99	T2	SOOD, Prem	
TR	21.905	Vocabulary for 3GPP Specifications	3.3.0	R99	S1	ZARRI, Michele	
TR	21.910	Multi-mode UE issues; categories, principles and procedures	3.0.0	R99	T2	PERSSON, Sofi	TSG#7: 2.0.0, but not approved. Number changed to 21.810. TSG#8: Re-instated with changed title and contents. TSG#8:3.0.0 (2.1.0)
TR	21.978	Feasibility Technical Report – CAMEL Control of VoIP Services	3.0.0	R99	N2		
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	3.2.0	R99	S1	KOKKOLA, Tommi	
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	3.6.0	R99	S1	CARPENTER, Paul	
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	3.3.0	R99	S1	KOKKOLA, Tommi	
TS	22.004	General on Supplementary Services	3.2.1	R99	S1	CARPENTER, Paul	
TS	22.011	Service accessibility	3.7.0	R99	S1	GALLAIRE, Jean Paul	
TS	22.016	International Mobile Equipment Identities (IMEI)	3.2.0	R99	S1	KOKKOLA, Tommi	
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	3.1.0	R99	S3	NGUYEN NGOC, Sebastien	
TS	22.024	Description of Charge Advice Information (CAI)	3.0.1	R99	S1	DWYER, Paul	.
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	3.4.0	R99	S1	TOIVANEN, Annukka	
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	3.2.1	R99	S1	KOKKOLA, Tommi	
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	3.2.0	R99	S1	CARPENTER, Paul	
TS	22.041	Operator Determined Call Barring	3.3.1	R99	S1	WOLAK, Stephen	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	3.0.1	R99	S1	DAHLKVIST, Mikael	CR to 3.0.1 not aprvd.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	3.0.1	R99	S1	CATALDO, Mark	.
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	3.5.0	R99	S1	CARPENTER, Paul	
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	3.2.0	R99	S1	CLAYTON, Michael	
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	3.0.1	R99	S1	SWETINA, Joerg	.
TS	22.071	Location Services (LCS); Stage 1	3.4.0	R99	S1	WOHLERT, Randolph	
TS	22.072	Call Deflection (CD); Stage 1	3.0.1	R99	S1	RAUCH, Horst	.
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	3.9.0	R99	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	.
TS	22.081	Line Identification supplementary services; Stage 1	3.2.0	R99	S1	AHNBERG, Tomas	
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	3.0.1	R99	S1	EVEN, Anne	.
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	.
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	.
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	.
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	3.1.0	R99	S1	DWYER, Paul	
TS	22.087	User-to-user signalling (UUS); Stage 1	3.1.0	R99	S1	BRADEN, Christian	
TS	22.088	Call Barring (CB) supplementary services; Stage 1	3.0.2	R99	S1	CLAYTON, Michael	.
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	3.1.0	R99	S1	KOKKOLA, Tommi	
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	3.0.1	R99	S1	CLAYTON, Michael	.
TS	22.094	Follow Me service description - Stage 1	3.1.0	R99	S1	BERGMANN, Ansgar	Transfer>TSG#6; Anticipate that v3.y.z will be withdrawn. Apr2001: Unwithdrawn. August 2001: still debating whether this is GSM-only or common.
TS	22.096	Name identification supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	.
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	3.2.0	R99	S1	DWYER, Paul	
TS	22.100	UMTS Phase 1	3.7.0	R99	S1	EVEN, Anne	
TS	22.101	Service aspects; Service principles	3.13.0	R99	S1	DWYER, Paul	
TS	22.105	Services & service capabilities	3.10.0	R99	S1	EVEN, Anne	
TS	22.115	Service Aspects Charging and billing	3.3.0	R99	S1	MONTEGROSSO, Emanuele	
TS	22.121	Service aspects; The Virtual Home Environment; Stage 1	3.3.0	R99	S1	OGUNBEKUN, Jumoke	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	3.6.0	R99	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	3.4.0	R99	S1	KOKKOLA, Tommi	
TS	22.140	Service aspects; Stage 1; Multimedia Messaging Service	3.1.0	R99	S1	LAUMEN, Josef	
TR	22.945	Study of provision of fax service in GSM and UMTS	3.0.0	R99	T2	COLBAN, Erik	.
TR	22.971	Automatic establishment of roaming relationships	3.1.1	R99	S1	MONTEGROSSO, Emanuele	.
TR	22.975	Advanced addressing	3.1.0	R99	S1	KLEIER, Stephan	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	23.002	Network Architecture	3.5.0	R99	S2	SULTAN, Alain	
TS	23.003	Numbering, Addressing and Identification	3.9.0	R99	N4	GAASVIK, Per-Ola	
TS	23.007	Restoration procedures	3.4.0	R99	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	3.6.0	R99	N4	BAUER, Rolf	
TS	23.009	Handover procedures	3.9.0	R99	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	3.1.0	R99	N4	CONRAD, Alan	
TS	23.012	Location management procedures	3.3.0	R99	N4	VACANT,	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.1.0	R99	N1	ZAUS, Robert	.
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	3.1.0	R99	N4	PARK, Ian David Chalmers	.
TS	23.016	Subscriber data management; Stage 2	3.8.0	R99	N4	VACANT,	
TS	23.018	Basic Call Handling; Technical realization	3.11.0	R99	N4	PARK, Ian David Chalmers	
TS	23.032	Universal Geographical Area Description (GAD)	3.1.0	R99	S2	HIETALAHTI, Hannu	
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	3.3.0	R99	N1	KOKKOLA, Tommi	
TS	23.038	Alphabets and language-specific information	3.3.0	R99	T2	HARRIS, Ian	additional CR for R99 on SMS enhanced message content expected at TSG-T#7. No, evidently not.
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	3.2.0	R99	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	3.8.0	R99	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	3.4.0	R99	T2	HARRIS, Ian	
TS	23.042	Compression algorithm for SMS	3.1.0	R99	T2	HARRIS, Ian	2001-01-23: test vectors provided = same file as for 03.42 v7.1.1.
TS	23.042	Compression algorithm for SMS	3.1.0	R99	T2	HARRIS, Ian	2001-01-23: test vectors provided = same file as for 03.42 v7.1.1.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	3.4.0	R99	T2	CATALDO, Mark	
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	3.11.0	R99	S2	DELECKI, Andrew	
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R99	N4	LOPEZ SORIA, Luis	
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	3.3.0	R99	N4	PERLICK, Vivien	
TS	23.072	Call Deflection Supplementary Service; Stage 2	3.3.0	R99	N4	CONRAD, Alan	.
TS	23.073	Support of Localised Service Area (SoLSA); Stage 2	3.0.1	R99	N4	KYMALAINEN, Kimmo	.
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	3.12.0	R99	N2	HOMANN, Christian	Phase 3. TSG#7:Aprvl CRs 56r3 & 18 by e-mail by 31-mar-00.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	3.6.0	R99	N4	PARK, Ian David Chalmers	
TS	23.081	Line Identification supplementary services; Stage 2	3.1.0	R99	N4	VACANT,	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	3.6.0	R99	N4	VACANT,	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	3.2.0	R99	N4	DETTNER, Harald	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	3.2.0	R99	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	3.2.0	R99	N4	DETTNER, Harald	
TS	23.094	Follow Me Stage 2	3.2.0	R99	N4	SWETINA, Joerg	Transfer>TSG#6.
TS	23.096	Name Identification Supplementary Service; Stage 2	3.0.1	R99	N4	DETTNER, Harald	.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	3.1.1	R99	N4	HEWSON, Ruth	
TS	23.101	General UMTS Architecture	3.1.0	R99	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	3.8.0	R99	S2	GREIS, Marc	
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	3.2.0	R99	N1	SALKINTZIS, Apostolis	
TS	23.110	UMTS Access Stratum Services and Functions	3.4.0	R99	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	3.2.0	R99	N4	ALLEN, Nicholas	
TS	23.119	Gateway Location Register (GLR); Stage2	3.0.0	R99	N4	SAWADA, Masahiro	Functionally frozen by CN#6, CN#7 is the new target for approval as part of R99
TS	23.121	Architecture Requirements for release 99	3.5.1	R99	S2	DANIEL, Elizabeth	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	3.7.0	R99	N1	HIETALAHTI, Hannu	Created at TSG#6, CR@TSG#6, Was briefly 23.022. But regenerated from 03.22 in June99. Expect 3.1.0 to correct erroneous incorporation of a CR. Expect 3.1.1 to undo erroneously incorporated CR.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	3.4.0	R99	S2	GOURRAUD, Christophe	
TS	23.135	Multicall supplementary service; Stage 2	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	3.0.1	R99	T2	LAUMEN, Josef	
TS	23.171	Functional stage 2 description of location services in UMTS	3.7.0	R99	S2	KÅLL, Jan	
TR	23.814	Separating RR and MM specific parts of the MS Classmark	3.1.0	R99	N1	YOKOTA, Fumihiko	TSG #5: 3.0.0: accidentally 3.1.0, but no tech change.
TR	23.908	Technical report on Pre-Paging	3.0.1	R99	N4	VACANT,	.
TR	23.909	Technical report on the Gateway Location Register	3.0.1	R99	N4	PARK, Ian David Chalmers	.
TR	23.910	Circuit switched data bearer services	3.5.0	R99	N3	WIIK, Rune Werner	
TR	23.911	Technical report on Out-of-band transcoder control	3.0.1	R99	N4	KYMALAINEN, Kimmo	.
TR	23.912	Technical report on Super-Charger	3.1.0	R99	N4	SHARP, Iain	.
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	3.0.0	R99	S2	HUBBARD, Elisabeth	July 2001: (Sultan) contents out of date. Replaced by 23.228.
TR	23.925	UMTS Core network based ATM transport	0.2.0	R99	S2	ROUZ, Adel	.
TR	23.930	Iu Principles	3.0.0	R99	S2	AXERUD, Bo	.
TR	23.972	Circuit switched multimedia telephony	3.0.0	R99	N1	KAUHANEN, Timo	
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	3.1.0	R99	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	3.8.0	R99	N1	HOWELL, Andrew	
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.11.0	R99	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	3.2.0	R99	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	3.6.0	R99	N1	ANDERSEN, Niels Peter Skov	
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	3.4.0	R99	N3	KLEHN, Norbert	

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TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	3.3.0	R99	N4	GARAPATY, Sonia	TSG#7:Decision to create.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	3.2.0	R99	N4	PERLICK, Vivien	
TS	24.072	Call Deflection Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	3.6.0	R99	N4	DETTNER, Harald	
TS	24.081	Line Identification Supplementary Service; Stage 3	3.1.0	R99	N4	DETTNER, Harald	
TS	24.082	Call Forwarding supplementary service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.087	User-to-User Signalling (UUS); Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	3.0.0	R99	N4	BRUSS, Jörg	.
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.096	Name Identification Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.135	Multicall supplementary service; Stage 3	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	25.101	UE Radio transmission and reception (FDD)	3.10.0	R99	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	3.10.0	R99	R4	KOTTKAMP, Meik	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	3.10.0	R99	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	3.10.0	R99	R4	KOTTKAMP, Meik	
TS	25.113	Base station and repeater ElectroMagnetic Compatibility (EMC)	3.5.0	R99	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	3.9.0	R99	R4	RONCHINI, M. Cristina	
TS	25.133	Requirements for support of radio resource management (FDD)	3.9.0	R99	R4	RONCHINI, M. Cristina	
TS	25.141	Base station conformance testing (FDD)	3.9.0	R99	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	3.9.0	R99	R4	MEYER, Juergen	
TS	25.201	Physical layer - general description	3.3.0	R99	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	3.10.0	R99	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	3.9.0	R99	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	3.7.0	R99	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	3.10.0	R99	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	3.10.0	R99	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	3.10.0	R99	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	3.8.0	R99	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	3.8.0	R99	R1		
TS	25.224	Physical layer procedures (TDD)	3.10.0	R99	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	3.9.0	R99	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	3.9.0	R99	R2	GRANZOW, Wolfgang	

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TS	25.302	Services provided by the physical layer	3.12.0	R99	R2	MIHAILESCU, Claudiu	
TS	25.303	Interlayer procedures in Connected Mode	3.11.0	R99	R2	RINNE, Mikko J	
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	3.10.0	R99	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	3.8.0	R99	R2	MIHAILESCU, Claudiu	
TS	25.306	UE Radio Access capabilities definition	3.5.0	R99	R2	BERGGREN, Anders	Converted from TR 25.926 v3.2.0 Nov 00.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	3.1.0	R99	R2	FAUCONNIER, Denis	Expect continual updates each time a new band is allowed.
TS	25.321	Medium Access Control (MAC) protocol specification	3.11.0	R99	R2	GESSNER, Christina	
TS	25.322	Radio Link Control (RLC) protocol specification	3.10.0	R99	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	3.8.0	R99	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	3.4.0	R99	R2	KRISCHAN, Peter	
TS	25.331	Radio Resource Control (RRC) protocol specification	3.10.0	R99	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN Overall Description	3.9.0	R99	R3	CALMEL, Jean-Marie	
TS	25.402	Synchronisation in UTRAN Stage 2	3.9.0	R99	R3	PIOLINI, Flavio	
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.6.0	R99	R3	TOWNEND, Richard	
TS	25.411	UTRAN Iu interface Layer 1	3.5.0	R99	R3	BRANDT, Achim V.	
TS	25.412	UTRAN Iu interface signalling transport	3.6.0	R99	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface RANAP signalling	3.9.0	R99	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	3.10.0	R99	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	3.10.0	R99	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	3.8.0	R99	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	3.5.0	R99	R3	THAKARE, Kiran	
TS	25.421	UTRAN Iur interface Layer 1	3.1.0	R99	R3	BRANDT, Achim V.	
TS	25.422	UTRAN Iur interface signalling transport	3.6.0	R99	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface RNSAP signalling	3.9.0	R99	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	3.8.0	R99	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	3.7.0	R99	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	3.8.0	R99	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	3.9.0	R99	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	3.7.0	R99	R3	WILSON, Mick	
TS	25.431	UTRAN Iub interface Layer 1	3.1.0	R99	R3	BRANDT, Achim V.	
TS	25.432	UTRAN Iub interface: signalling transport	3.1.0	R99	R3	WILSON, Mick	.
TS	25.433	UTRAN Iub interface NBAP signalling	3.9.0	R99	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	3.7.0	R99	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	3.10.0	R99	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN implementation-specific O&M transport	3.1.0	R99	R3	RECKER, Stephan	
TR	25.831	Study Items for future release	0.0.2	R99	R3	DREVON, Nicolas	.
TR	25.832	Manifestations of Handover and SRNS relocation	3.0.0	R99	R3	TOWNEND, Richard	.

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TR	25.833	Physical layer items not for inclusion in Release 99	1.1.0	R99	R1	IKEDA, Shinobu	
TR	25.853	Delay budget within the access stratum	3.1.0	R99	R3	DELL'ACQUA, Massimo	TSG#10:3.0.0 (is evidently R99 not Rel-4)
TR	25.921	Guidelines and principles for protocol description and error handling	3.7.0	R99	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	3.7.0	R99	R2	MAGNANI, Nicola Pio	
TR	25.925	Radio Interface for Broadcast/Multicast Services	3.4.0	R99	R2	KRISCHAN, Peter	
TR	25.931	UTRAN Functions, examples on signalling procedures	3.6.0	R99	R3	SCARRONE, Enrico	
TR	25.941	Document structure	3.1.0	R99	R4	TAKAMI, Tadao	
TR	25.942	RF system scenarios	3.2.0	R99	R4	BENABDALLAH, Nadia	
TR	25.944	Channel coding and multiplexing examples	3.5.0	R99	R1	IKEDA, Shinobu	
TS	26.071	AMR speech Codec; General description	3.0.1	R99	S4	EKUDDEN, Erik	.
TS	26.073	AMR speech Codec; C-source code	3.3.0	R99	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	3.1.1	R99	S4	EKUDDEN, Erik	
TS	26.090	AMR speech Codec; Transcoding Functions	3.1.0	R99	S4	EKUDDEN, Erik	.
TS	26.091	AMR speech Codec; Error concealment of lost frames	3.1.0	R99	S4	EKUDDEN, Erik	.
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	3.0.1	R99	S4	EKUDDEN, Erik	.
TS	26.093	AMR speech Codec; Source Controlled Rate operation	3.3.0	R99	S4	EKUDDEN, Erik	
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	3.0.0	R99	S4	USAI, Paolino	.
TS	26.101	AMR speech Codec; Frame Structure	3.3.0	R99	S4	HAGQVIST, Jari	
TS	26.102	AMR speech Codec; Interface to Iu and Uu	3.3.0	R99	S4	NAVARRO, William	
TS	26.103	Codec lists	3.1.0	R99	S4	HELLWIG, Karl	.
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	3.4.0	R99	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	3.1.0	R99	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	3.4.0	R99	S4	ARONSON, Barry	
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	3.3.0	R99	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	3.4.0	R99	S4	GOETZ, Ian	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	3.3.0	R99	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	3.0.0	R99	S4	FRANCESCHI, Olle	
TR	26.915	Echo Control For Speech and Multi-Media Services	3.0.0	R99	S4	GOETZ, Ian	No Rel-4 version. Became 26.115.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	3.1.0	R99	S4	EKUDDEN, Erik	was 26.075;
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	3.10.0	R99	N3	WIIK, Rune Werner	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.5.0	R99	N3	WIIK, Rune Werner	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.5.0	R99	N3	WIIK, Rune Werner	

Type	Number	Title	Ver at TSG#15	Rel	TSG/WG	Editor	Comment
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	3.1.0	R99	T2	HARRIS, Ian	.
TS	27.007	AT command set for 3G User Equipment (UE)	3.11.0	R99	T2	VACANT,	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	3.4.0	R99	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	3.5.0	R99	N3	WILD, Johanna	
TS	27.103	Wide Area Network Synchronization	3.1.0	R99	T2	LOCKHART, Rob	TSG#8:3.1.0 but this CR not impementable.
TR	27.901	Report on Terminal Interfaces - An Overview	3.1.0	R99	T2	REX, Thomas	.
TR	27.903	Discussion of synchronization standards	3.0.0	R99	T2	LOCKHART, Rob	.
TS	29.002	Mobile Application Part (MAP) specification	3.12.0	R99	N4	DETTNER, Harald	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	3.9.0	R99	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	3.7.0	R99	N4	VACANT,	
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R99	N4	DETTNER, Harald	.
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	3.0.0	R99	N4	DETTNER, Harald	.
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	3.1.0	R99	N1	MILLS, Duncan	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	3.9.0	R99	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	3.12.0	R99	N4	YOUNG, Michael	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	3.9.0	R99	N3	WILD, Johanna	
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	3.11.0	R99	N2	NOLDUS, Rogier	Phase 3
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	3.2.0	R99	R3	VESELY, Alexander	
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R99	N4	AIKAWA, Shinichiro	
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	3.1.0	R99	N4	MITAMURA, Kazuo	
TS	29.198	Open Service Architecture (OSI) Application Programming Interface (API) - Part 1	3.4.0	R99	N5	MOERDIJK, Ard-Jan	
TR	29.998	Open Services Architecture API part 2	3.2.0	R99	N5	MOERDIJK, Ard-Jan	
TR	30.531	Work Plan and Study Items - RAN WG3	0.9.3	R99	R3	TAYLOR, Carolyn	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	31.101	UICC-terminal interface; Physical and logical characteristics	3.3.0	R99	T3	VESTERGAARD, Peter	TP-09: txferred from T2 to ETSI SCP as TR 102 221. So removed from 3gpp spec list. Sanders, May 2001: no, not withdrawn. So re-instated.
TS	31.102	Characteristics of the USIM Application	3.8.0	R99	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	3.2.0	R99	T3	DIETRICH, Christian	
TS	31.111	USIM Application Toolkit (USAT)	3.7.0	R99	T3	WOODSEND, Kristian	
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	3.0.0	R99	T3	MAESER, Torsten	TP-11:moved to ETSI-SCP. TP-12: reinstated.
TS	31.121	UICC-terminal interface; USIM application test specification	3.1.0	R99	T3	AFCHAR, Ramin	
TS	31.122	USIM conformance test specification	3.2.0	R99	T3	KNIGHT, Simon	
TR	31.900	SIM/USIM internal and external interworking aspects	3.2.0	R99	T3	KALINER, Stefan	
TS	32.005	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	3.6.0	R99	S5	BENDER, James	
TS	32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	3.9.0	R99	S5	LEHNERT, Matthias	
TS	32.101	3G Telecom Management principles and high level requirements	3.4.0	R99	S5	TRUSS, Michael	
TS	32.102	3G Telecom Management Architecture	3.2.0	R99	S5	BERGGREN, Tommy	
TS	32.104	3G Performance Management	3.5.0	R99	S5	NENNER, Karl-Heinz	
TS	32.106-1	Telecommunication management; Configuration Management; Part 1: 3G configuration management; Concept and requirements	3.1.0	R99	S5	PIRT, Trevor	SP-08: multipart split from parent 3.0.1
TS	32.106-2	Telecommunication management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	3.3.0	R99	S5	TSE, Edwin	TSG#8: multipart split from parent 3.0.1
TS	32.106-3	Telecommunication management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	3.3.0	R99	S5	TOVINGER, Thomas	TSG#8: multipart split from parent 3.0.1
TS	32.106-4	Telecommunication management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	3.2.0	R99	S5	ZHOU, Di	TSG#8: multipart split from parent 3.0.1
TS	32.106-5	Telecommunication management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-6	Telecommunication management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	3.3.0	R99	S5	ZHOU, Di	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-7	Telecommunication management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	3.3.0	R99	S5	TOVINGER, Thomas	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-8	Telecommunication management; Configuration Management; Part 8: Name convention for Managed Objects	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: multipart split from parent 3.0.1
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	3.3.0	R99	S5	TOVINGER, Thomas	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	3.6.0	R99	S5	TOVINGER, Thomas	TSG#8: multipart split from parent 3.0.1
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: multipart split from parent 3.0.1
TS	33.102	3G security; Security architecture	3.11.0	R99	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	3.7.0	R99	S3	BLANCHARD, Colin	
TS	33.105	Cryptographic Algorithm requirements	3.8.0	R99	S3	CHIKAZAWA, Takeshi	
TS	33.106	Lawful interception requirements	3.1.0	R99	S3	WILHELM, Berthold	.
TS	33.107	3G security; Lawful interception architecture and functions	3.5.0	R99	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	3.0.0	R99	S3	WRIGHT, Tim	.
TR	33.901	Criteria for cryptographic Algorithm design process	3.0.0	R99	S3	BLOM, Rolf	.
TR	33.902	Formal Analysis of the 3G Authentication Protocol	3.1.0	R99	S3	HORN, Guenther	.
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	3.0.0	R99	S3	WALKER, Michael	
TS	34.108	Common test environments for User Equipment (UE) conformance testing	3.7.1	R99	T1	CHALABI, Nouhman	TSG#8:aprvl is controversial
TS	34.109	Terminal logical test interface; Special conformance testing functions	3.5.0	R99	R2	BERGGREN, Anders	
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	3.8.0	R99	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	3.7.0	R99	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	3.5.0	R99	T1	SALMERON, Lidia	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	3.5.0	R99	T1	HU, Shicheng	TSG#8: aprvl target postponed to end-00;TP-000137 TSG#9:2.0.0->3.1.0 (no 3.0.0 to keep in step with part 1).
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	1.0.5	R99	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.3.0	R99	R4	SOERENSEN, Ole	
TR	34.907	Report on electrical safety requirements and regulations	3.0.0	R99	T2	IIMORI, Eiji	.
TR	34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions	3.0.0	R99	T2	JOHNSSON, Sven	.
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	3.2.0	R99	S3	WALKER, Michael	
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	3.1.2	R99	S3	WALKER, Michael	
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	3.1.2	R99	S3	WALKER, Michael	
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	3.1.2	R99	S3	WALKER, Michael	

D.3   Release 4 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	21.102	3rd Generation mobile system Release 4 specifications	4.4.0	Rel-4	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	4.0.0	Rel-4	T3	KALINER, Stefan	
TS	21.133	3G security; Security threats and requirements	4.1.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TR	21.801	Specification drafting rules	4.3.0	Rel-4	SP	MEREDITH, John M	Formal doc created after TSG#7. (Was briefly 21.200)
TR	21.900	Technical Specification Group working methods	4.0.0	Rel-4	SP	MEREDITH, John M	
TR	21.905	Vocabulary for 3GPP Specifications	4.4.0	Rel-4	S1	ZARRI, Michele	Absorbs 01.04.
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	4.2.0	Rel-4	S1	CARPENTER, Paul	
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.004	General on Supplementary Services	4.1.0	Rel-4	S1	CARPENTER, Paul	
TS	22.011	Service accessibility	4.6.0	Rel-4	S1	GALLAIRE, Jean Paul	
TS	22.016	International Mobile Equipment Identities (IMEI)	4.1.0	Rel-4	S1	KOKKOLA, Tommi	TSG#8: CR proposed creation, but not aprvd.
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	4.0.0	Rel-4	S3	NGUYEN NGOC, Sebastien	
TS	22.024	Description of Charge Advice Information (CAI)	4.0.0	Rel-4	S1	DWYER, Paul	
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	4.1.0	Rel-4	S1	TOIVANEN, Annukka	
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	4.1.0	Rel-4	S1	CARPENTER, Paul	
TS	22.041	Operator Determined Call Barring	4.1.0	Rel-4	S1	WOLAK, Stephen	
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	4.1.0	Rel-4	S1	DAHLKVIST, Mikael	
TS	22.048	Security Mechanisms for the (U)SIM application toolkit; Stage 1	4.0.0	Rel-4	T3	BARNES, Nigel	.
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	4.0.1	Rel-4	S4	NAVARRO, William	
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	4.1.0	Rel-4	S1	CATALDO, Mark	
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	4.3.0	Rel-4	S1	CARPENTER, Paul	
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	
TS	22.071	Location Services (LCS); Stage 1	4.4.0	Rel-4	S1	WOHLERT, Randolph	
TS	22.072	Call Deflection (CD); Stage 1	4.0.0	Rel-4	S1	RAUCH, Horst	
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	4.0.1	Rel-4	S4	USAI, Paolino	
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	4.5.0	Rel-4	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	
TS	22.081	Line Identification supplementary services; Stage 1	4.1.0	Rel-4	S1	AHNBERG, Tomas	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.2.0	Rel-4	S1	EVEN, Anne	
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	4.0.0	Rel-4	S1	DWYER, Paul	
TS	22.087	User-to-user signalling (UUS); Stage 1	4.0.0	Rel-4	S1	BRADEN, Christian	
TS	22.088	Call Barring (CB) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	
TS	22.094	Follow Me service description - Stage 1	4.1.0	Rel-4	S1	BERGMANN, Ansgar	Apr2001: V3 unwithdrawn, so Rel-4 version produced.
TS	22.096	Name identification supplementary services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	4.1.0	Rel-4	S1	DWYER, Paul	
TS	22.101	Service aspects; Service principles	4.6.0	Rel-4	S1	DWYER, Paul	based on 3.9.0
TS	22.105	Services & service capabilities	4.3.0	Rel-4	S1	EVEN, Anne	
TS	22.115	Service Aspects Charging and billing	4.0.0	Rel-4	S1	MONTEGROSSO, Emanuele	
TS	22.121	Service aspects; The Virtual Home Environment; Stage 1	4.1.0	Rel-4	S1	OGUNBEKUN, Jumoke	
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	4.4.0	Rel-4	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	4.4.0	Rel-4	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	4.1.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.140	Service aspects; Stage 1; Multimedia Messaging Service	4.2.0	Rel-4	S1	LAUMEN, Josef	based on 3.0.0
TS	23.002	Network Architecture	4.4.0	Rel-4	S2	SULTAN, Alain	
TS	23.003	Numbering, Addressing and Identification	4.3.0	Rel-4	N4	GAASVIK, Per-Ola	
TS	23.007	Restoration procedures	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	4.1.0	Rel-4	N4	BAUER, Rolf	
TS	23.009	Handover procedures	4.3.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	4.0.0	Rel-4	N4	CONRAD, Alan	
TS	23.012	Location management procedures	4.0.0	Rel-4	N4	VACANT,	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	4.0.0	Rel-4	N1	ZAUS, Robert	
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	4.1.0	Rel-4	N4	VACANT,	
TS	23.018	Basic Call Handling; Technical realization	4.6.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.032	Universal Geographical Area Description (GAD)	4.0.0	Rel-4	S2	HIETALAHTI, Hannu	
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	4.0.0	Rel-4	N1	KOKKOLA, Tommi	
TS	23.038	Alphabets and language-specific information	4.4.0	Rel-4	T2	HARRIS, Ian	based on 3.3.0
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	4.0.0	Rel-4	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	4.6.0	Rel-4	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	4.2.0	Rel-4	T2	HARRIS, Ian	
TS	23.042	Compression algorithm for SMS	4.0.1	Rel-4	T2	HARRIS, Ian	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	23.048	Security Mechanisms for the (U)SIM application toolkit; Stage 2	4.3.0	Rel-4	T3	BARNES, Nigel	.
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	4.0.1	Rel-4	S4	USAI, Paolino	
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	4.5.0	Rel-4	T2	CATALDO, Mark	
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	4.4.0	Rel-4	S2	DELECKI, Andrew	
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	4.0.0	Rel-4	N4	LOPEZ SORIA, Luis	
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	4.1.0	Rel-4	N4	PERLICK, Vivien	
TS	23.072	Call Deflection Supplementary Service; Stage 2	4.0.0	Rel-4	N4	CONRAD, Alan	
TS	23.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	4.4.0	Rel-4	N2	HOMANN, Christian	Phase 3.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	.
TS	23.081	Line Identification supplementary services; Stage 2	4.0.0	Rel-4	N4	VACANT,	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	4.2.0	Rel-4	N4	VACANT,	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	4.3.0	Rel-4	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	4.0.0	Rel-4	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.094	Follow Me Stage 2	4.0.0	Rel-4	N4	SWETINA, Joerg	
TS	23.096	Name Identification Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	4.0.0	Rel-4	N4	HEWSON, Ruth	
TS	23.101	General UMTS Architecture	4.0.0	Rel-4	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	4.4.0	Rel-4	S2	GREIS, Marc	
TS	23.110	UMTS Access Stratum Services and Functions	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	4.2.0	Rel-4	N4	ALLEN, Nicholas	
TS	23.119	Gateway Location Register (GLR); Stage2	4.0.0	Rel-4	N4	SAWADA, Masahiro	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	4.1.0	Rel-4	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	4.3.0	Rel-4	S2	GOURRAUD, Christophe	
TS	23.135	Multicall supplementary service; Stage 2	4.0.0	Rel-4	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	4.6.0	Rel-4	T2	LAUMEN, Josef	

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TS	23.146	Technical realisation of facsimile Group 3 service - non-transparent	4.1.0	Rel-4	N3	HAGIWARA, Junichiro	New @ TSG#6, Circuit switched type of Real time Non transparent FAX specification. TSG#7:1.1.0 "but not stable enough to be made available"!
TS	23.153	Out of Band Transcoder Control; Stage 2	4.4.0	Rel-4	N4	VACANT,	
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	4.4.0	Rel-4	N4	GARCIA-MENDIVE, Elena	
TS	23.221	Architectural requirements	4.1.0	Rel-4	S2	DANIEL, Elizabeth	
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	4.2.0	Rel-4	T2	TOMÉ, Olga	
TS	23.271	Functional stage 2 description of location services	4.5.0	Rel-4	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec.
TR	23.821	Architecture Principles for Release 2000	1.0.1	Rel-4	S2	LIND, Christer	
TR	23.873	Feasibility study fro transport and control separation in the PS CN domain	4.0.0	Rel-4	S2	IBANEZ, Juan-Antonio	
TR	23.874	Feasibility study of architecture for network requested PDP context activation with User-ID	1.3.0	Rel-4	S2	KITADA, Yoshinori	.
TR	23.907	Quality of Service concept	1.2.0	Rel-4	S2	VACANT,	.
TR	23.908	Technical report on Pre-Paging	4.0.0	Rel-4	N4	VACANT,	
TR	23.909	Technical report on the Gateway Location Register	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	
TR	23.910	Circuit switched data bearer services	4.4.0	Rel-4	N3	WIIK, Rune Werner	
TR	23.911	Technical report on Out-of-band transcoder control	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	4.1.0	Rel-4	N4	SHARP, Iain	
TR	23.925	UMTS Core network based ATM transport	none	Rel-4	S2	ROUZ, Adel	
TR	23.930	Iu Principles	4.0.0	Rel-4	S2	AXERUD, Bo	
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	4.0.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	4.1.0	Rel-4	N1	HOWELL, Andrew	
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	4.6.0	Rel-4	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	4.2.0	Rel-4	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	4.1.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	4.0.0	Rel-4	N3	KLEHN, Norbert	
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	4.2.0	Rel-4	N4	GARAPATY, Sonia	
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	4.1.0	Rel-4	N4	PERLICK, Vivien	
TS	24.072	Call Deflection Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	4.2.0	Rel-4	N4	DETTNER, Harald	
TS	24.081	Line Identification Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.082	Call Forwarding supplementary service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	

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TS	24.087	User-to-User Signalling (UUS); Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	4.0.0	Rel-4	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.096	Name Identification Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.135	Multicall supplementary service; Stage 3	4.1.0	Rel-4	N4	MITAMURA, Kazuo	
TS	25.101	UE Radio transmission and reception (FDD)	4.4.0	Rel-4	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	4.4.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	4.4.0	Rel-4	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	4.4.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.106	UTRA Repeater; Radio transmission and reception	4.1.0	Rel-4	R4	NILSSON, Martin	
TS	25.113	Base station and repeater ElectroMagnetic Compatibility (EMC)	4.2.0	Rel-4	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	4.4.0	Rel-4	R4	RONCHINI, M. Cristina	
TS	25.133	Requirements for support of radio resource management (FDD)	4.4.0	Rel-4	R4	RONCHINI, M. Cristina	
TS	25.141	Base station conformance testing (FDD)	4.4.0	Rel-4	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	4.4.0	Rel-4	R4	MEYER, Juergen	
TS	25.143	UTRA repeater; Conformance testing	4.3.0	Rel-4	R4	KUMMETZ, Thomas	Was to have been 25.107. But never was.
TS	25.201	Physical layer - general description	4.2.0	Rel-4	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	4.4.0	Rel-4	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	4.4.0	Rel-4	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	4.2.0	Rel-4	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	4.4.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	4.4.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	4.4.0	Rel-4	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	4.3.0	Rel-4	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	4.4.0	Rel-4	R1		
TS	25.224	Physical layer procedures (TDD)	4.4.0	Rel-4	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	4.3.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	4.2.0	Rel-4	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	4.4.0	Rel-4	R2	MIHAILESCU, Claudiu	
TS	25.303	Interlayer procedures in Connected Mode	4.4.0	Rel-4	R2	RINNE, Mikko J	
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	4.4.0	Rel-4	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	4.3.0	Rel-4	R2	MIHAILESCU, Claudiu	
TS	25.306	UE Radio Access capabilities definition	4.4.0	Rel-4	R2	BERGGREN, Anders	
TS	25.307	Requirements on UEs supporting a release-independent frequency band	4.1.0	Rel-4	R2	FAUCONNIER, Denis	Expect continual updates each time a new band is allowed.
TS	25.321	Medium Access Control (MAC) protocol specification	4.4.0	Rel-4	R2	GESSNER, Christina	
TS	25.322	Radio Link Control (RLC) protocol specification	4.4.0	Rel-4	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	4.4.0	Rel-4	R2	HANS, Martin	

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TS	25.324	Broadcast/Multicast Control (BMC)	4.0.0	Rel-4	R2	KRISCHAN, Peter	
TS	25.331	Radio Resource Control (RRC) protocol specification	4.4.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN Overall Description	4.3.0	Rel-4	R3	CALMEL, Jean-Marie	
TS	25.402	Synchronisation in UTRAN Stage 2	4.4.0	Rel-4	R3	PIOLINI, Flavio	
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	4.3.0	Rel-4	R3	TOWNEND, Richard	
TS	25.411	UTRAN Iu interface Layer 1	4.1.0	Rel-4	R3	BRANDT, Achim V.	
TS	25.412	UTRAN Iu interface signalling transport	4.0.0	Rel-4	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface RANAP signalling	4.4.0	Rel-4	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	4.3.0	Rel-4	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	4.4.0	Rel-4	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	4.4.0	Rel-4	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	4.2.0	Rel-4	R3	THAKARE, Kiran	
TS	25.421	UTRAN Iur interface Layer 1	4.0.0	Rel-4	R3	BRANDT, Achim V.	
TS	25.422	UTRAN Iur interface signalling transport	4.1.0	Rel-4	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface RNSAP signalling	4.4.0	Rel-4	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	4.2.0	Rel-4	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	4.3.0	Rel-4	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	4.2.0	Rel-4	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	4.3.0	Rel-4	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	4.2.0	Rel-4	R3	WILSON, Mick	
TS	25.431	UTRAN Iub interface Layer 1	4.0.0	Rel-4	R3	BRANDT, Achim V.	
TS	25.432	UTRAN Iub interface: signalling transport	4.0.0	Rel-4	R3	WILSON, Mick	
TS	25.433	UTRAN Iub interface NBAP signalling	4.4.0	Rel-4	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	4.3.0	Rel-4	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	4.4.0	Rel-4	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN implementation-specific O&M transport	4.0.0	Rel-4	R3	RECKER, Stephan	
TR	25.832	Manifestations of Handover and SRNS relocation	4.0.0	Rel-4	R3	TOWNEND, Richard	RP-15: No upgrade to Rel-5.
TR	25.834	UTRA TDD low chip rate option; Radio protocol aspects	4.1.0	Rel-4	R2	LIU, YanHui	RP-15: Not to be promoted to Rel-5.
TR	25.836	Node B synchronization for TDD	4.1.0	Rel-4	R1	OESTREICH, Stefan	RP-15: Not to be promoted to Rel-5.
TR	25.837	Hybrid ARQ Type II/III (Iub/Iur aspects)	0.1.0	Rel-4	R3	BRANDT, Achim V.	RP-15: No upgrade to Rel-5.
TR	25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	4.1.0	Rel-4	R3	LENHART, Johannes	RP-15: No upgrade to Rel-5.
TR	25.839	Uplink Synchronous Transmission Scheme (USTS) (Iur/Iub aspects)	0.3.0	Rel-4	R3	PARK, Jin Hyo	RP-15: No upgrade to Rel-5.
TR	25.840	Terminal power saving features	2.3.0	Rel-4	R1	LEE, Ju Ho	RP-15: Not to be promoted to Rel-5.
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	RP-15: Not to be promoted to Rel-5.
TR	25.842	Smart antenna	1.0.0	Rel-4	R1	HU, Jinling	.RP-15: Not to be promoted to Rel-5.
TR	25.843	1,28 Mcps TDD UE Radio Access Capabilities	4.1.0	Rel-4	R2	ZHU, Yifei	RP-15: Not to be promoted to Rel-5.
TR	25.844	Radio acces bearer support enhancements	4.1.0	Rel-4	R2	KRISHNARAJAH, Ainkaran	RP-15: Not to be promoted to Rel-5.
TR	25.845	FDD RACH and AICH performance requirements	0.0.3	Rel-4	R4	VIHRIÄLÄ, Jaakko	RP-15: Not to be promoted to Rel-5.
TR	25.847	UE positioning enhancements	4.0.0	Rel-4	R2	BECKMANN, Mark	RP-15: Not to be promoted to Rel-5.

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TR	25.848	Physical Layer Aspects of UTRA High Speed Downlink Packet Access	4.0.0	Rel-4	R1	IKEDA, Shinobu	RP-15: Not to be promoted to Rel-5.
TR	25.849	DSCH power control improvement in soft handover	4.0.0	Rel-4	R3	WOONHEE, Hwang	RP-15: No upgrade to Rel-5.
TR	25.850	UE positioning in UTRAN Iub/Iur protocol aspects	4.3.0	Rel-4	R3	HAUTALA, Jari	RP-15: No upgrade to Rel-5.
TR	25.851	RAB Quality of Service Renegotiation over Iu	4.0.0	Rel-4	R3	IRWIN, Sania	RP-15: No upgrade to Rel-5.
TR	25.852	Radio access bearer support enhancements for the Iu	0.0.0	Rel-4	R3	DIESEN, Michael	RP-15: No upgrade to Rel-5.
TR	25.853	Delay budget within the access stratum	4.0.0	Rel-4	R3	DELL'ACQUA, Massimo	RP-15: No upgrade to Rel-5.
TR	25.921	Guidelines and principles for protocol description and error handling	4.4.0	Rel-4	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	4.2.0	Rel-4	R2	MAGNANI, Nicola Pio	
TR	25.928	1,28 Mcps functionality for UTRA TDD physical layer	4.0.1	Rel-4	R1	AKSENTIJEVIC, Mirko	RP-15: Not to be promoted to Rel-5.
TR	25.931	UTRAN Functions, examples on signalling procedures	4.3.0	Rel-4	R3	SCARRONE, Enrico	
TR	25.934	AAL2 QoS optimization	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	RP-15: No upgrade to Rel-5.
TR	25.935	RRM optimisation	4.1.0	Rel-4	R3	VAN LIESHOUT, Gert-Jan	RP-15: No upgrade to Rel-5.
TR	25.936	Handover for realtime services from PS-domain	4.0.1	Rel-4	R3	MOUSSET, Claire	RP-15: Not to be promoted to Rel-5.
TR	25.937	UTRAN TDD low chiprate	4.1.0	Rel-4	R3	XU, Bing	RP-15: No upgrade to Rel-5.
TR	25.942	RF system scenarios	4.1.0	Rel-4	R4	BENABDALLAH, Nadia	
TR	25.943	Deployment aspects	4.1.0	Rel-4	R4	SKÖLD, Johan	
TR	25.944	Channel coding and multiplexing examples	4.1.0	Rel-4	R1	IKEDA, Shinobu	RP-15: Not to be promoted to Rel-5.
TR	25.945	RF requirements for low chip rate TDD option	4.1.1	Rel-4	R4	ZHANG, Daijun	
TR	25.946	RAB Quality of Service Negotiation over Iu	4.0.0	Rel-4	R3	MOLANDER, Anders	RP-15: No upgrade to Rel-5.
TR	25.950	UTRA high speed downlink packet access	4.0.0	Rel-4	R2	KUCHIBHOTLA, Ravi	RP-15: Not to be promoted to Rel-5.
TR	25.953	TrFO/TFO	4.0.0	Rel-4	R3	VESELY, Alexander	RP-15: No upgrade to Rel-5.
TR	25.954	Migration to modification procedure	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	RP-15: No upgrade to Rel-5.
TR	25.956	UTRA repeater: Planning guidelines and system analysis	4.0.0	Rel-4	R4	GARCIA LOPEZ, Lorena	
TS	26.071	AMR speech Codec; General description	4.0.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.073	AMR speech Codec; C-source code	4.1.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	4.0.1	Rel-4	S4	EKUDDEN, Erik	
TS	26.077	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	4.0.0	Rel-4	S4	USAI, Paolino	
TS	26.090	AMR speech Codec; Transcoding Functions	4.0.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.091	AMR speech Codec; Error concealment of lost frames	4.0.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.093	AMR speech Codec; Source Controlled Rate operation	4.0.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	26.101	AMR speech Codec; Frame Structure	4.2.0	Rel-4	S4	HAGQVIST, Jari	
TS	26.102	AMR speech Codec; Interface to Iu and Uu	4.0.0	Rel-4	S4	NAVARRO, William	
TS	26.103	Codec lists	4.2.0	Rel-4	S4	HELLWIG, Karl	
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	4.3.0	Rel-4	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	4.1.0	Rel-4	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	4.0.0	Rel-4	S4	ARONSON, Barry	
TS	26.115	Echo control for speech and multi-media services	4.0.0	Rel-4	S4	USAI, Paolino	Derived from 26.914 R99.

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TS	26.131	Terminal acoustic characteristics for telephony; Requirements	4.1.0	Rel-4	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	4.2.0	Rel-4	S4	GOETZ, Ian	
TS	26.233	End-to-end transparent streaming service; General description	4.2.0	Rel-4	S4	HONKO, Harri	
TS	26.234	End-to-end transparent streaming service; Protocols and codecs	4.3.0	Rel-4	S4	NOHLGREN, Anders	
TR	26.901	AMR wideband speech codec; Feasibility study report	4.0.1	Rel-4	S4	OHANA, Alain	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	4.1.0	Rel-4	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	4.0.0	Rel-4	S4	FRANCESCHI, Olle	
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	4.1.0	Rel-4	S4	EKUDDEN, Erik	
TR	26.978	Results of the AMR noise suppression selection phase	4.0.0	Rel-4	S4	USAI, Paolino	Replaces 26.078
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	4.7.0	Rel-4	N3	WIIK, Rune Werner	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	4.0.0	Rel-4	N3	WIIK, Rune Werner	.
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	4.1.0	Rel-4	N3	WIIK, Rune Werner	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	4.1.0	Rel-4	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	4.4.0	Rel-4	T2	VACANT,	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	4.2.0	Rel-4	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	4.0.0	Rel-4	N3	WILD, Johanna	
TS	27.103	Wide Area Network Synchronization	4.0.0	Rel-4	T2	LOCKHART, Rob	
TR	27.901	Report on Terminal Interfaces - An Overview	4.1.0	Rel-4	T2	REX, Thomas	
TR	27.903	Discussion of synchronization standards	4.0.0	Rel-4	T2	LOCKHART, Rob	TP-15: Not to be promoted to Rel-5.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	4.3.0	Rel-4	S4	SUERBAUM, Clemens	TSG#11: Usai: may need 48.062. Later, no: applies to 3G too.
TS	29.002	Mobile Application Part (MAP) specification	4.7.0	Rel-4	N4	DETTNER, Harald	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	4.3.0	Rel-4	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	4.2.0	Rel-4	N4	VACANT,	
TS	29.011	Signalling Interworking for Supplementary Services	4.0.0	Rel-4	N4	DETTNER, Harald	

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TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	4.0.0	Rel-4	N1	MILLS, Duncan	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	4.3.0	Rel-4	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	4.4.0	Rel-4	N4	YOUNG, Michael	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	4.4.0	Rel-4	N3	WILD, Johanna	
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	4.4.0	Rel-4	N2	NOLDUS, Rogier	Phase 3
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	4.1.0	Rel-4	R3	VESELY, Alexander	
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	4.0.0	Rel-4	N4	AIKAWA, Shinichiro	
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	4.0.0	Rel-4	N4	MITAMURA, Kazuo	
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	4.3.1	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	4.4.0	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	4.4.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	4.3.0	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	4.4.0	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	4.4.0	Rel-4	N5	MARKWARDT, Gert	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	4.4.0	Rel-4	N5	SAARENPAA, Matti	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	4.4.0	Rel-4	N5	UNMEHOPA, Musa	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	4.3.0	Rel-4	N5	LAGENDIJK, Louis	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	4.3.0	Rel-4	N5	UNMEHOPA, Musa	
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	4.1.0	Rel-4	N4	ANGELO, Ciriaco	
TS	29.205	Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3	4.2.0	Rel-4	N4	HEIDERMARK, Alf	
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	4.4.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	29.414	Core network Nb data transport and transport signalling	4.4.0	Rel-4	N3	BELLING, Thomas	

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TS	29.415	Core network Nb interface user plane protocols	4.2.0	Rel-4	N3	SANDERS, David	
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	4.2.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	30.002	Guidelines for the modification of the Mobile Application Part (MAP)	4.0.1	Rel-4	N4	KYMALAINEN, Kimmo	2002-03-10: WG Chairman: Unwithdrawn.
TR	30.504	Work Plan and Study Items - RAN WG4	2.2.0	Rel-4	R4	IWASA, Masaaki	RP-15: Not to be promoted to Rel-5.
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-4	T3	VIALLET, Sophie	
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-4	T3	VIALLET, Sophie	
TS	31.101	UICC-terminal interface; Physical and logical characteristics	4.0.0	Rel-4	T3	VESTERGAARD, Peter	
TS	31.102	Characteristics of the USIM Application	4.4.0	Rel-4	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	4.1.0	Rel-4	T3	DIETRICH, Christian	
TS	31.111	USIM Application Toolkit (USAT)	4.6.0	Rel-4	T3	WOODSEND, Kristian	
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	none	Rel-4	T3	MAESER, Torsten	Created belatedly when R99 version was reinstated after TP-12. Anticipate document at TP-13.
TS	31.121	UICC-terminal interface; USIM application test specification	4.0.0	Rel-4	T3	AFCHAR, Ramin	
TS	31.122	USIM conformance test specification	none	Rel-4	T3	KNIGHT, Simon	
TR	31.900	SIM/USIM internal and external interworking aspects	4.0.0	Rel-4	T3	KALINER, Stefan	.
TS	32.101	3G Telecom Management principles and high level requirements	4.2.1	Rel-4	S5	TRUSS, Michael	
TS	32.102	3G Telecom Management Architecture	4.2.0	Rel-4	S5	BERGGREN, Tommy	
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	4.3.0	Rel-4	S5	TOVINGER, Thomas	

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TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	4.2.0	Rel-4	S5	TOVINGER, Thomas	
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	4.2.0	Rel-4	S5	TOVINGER, Thomas	
TS	32.200	Telecommunication management; Charging management; Charging principles	4.1.0	Rel-4	S5	AHLBÄCK, Hans	Had been indicated as approved at SP-12, but this was erroneous.
TS	32.205	Telecommunication management; Charging management; 3G charging data description for the CS domain	4.1.1	Rel-4	S5	BENDER, James	
TS	32.215	Telecommunications management; Charging management; Charging data description for the Packet Switched (PS) domain	4.2.1	Rel-4	S5	LEHNERT, Matthias	.
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	4.1.0	Rel-4	S5	GOERMER, Gerald	.
TS	32.300	Telecommunication management; 3G configuration management; Name convention for Managed Objects	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.301	Telecommunication management; Configuration Management; Notification IRP: requirements	4.0.1	Rel-4	S5	PIRT, Trevor	.
TS	32.302	Telecommunication management; Configuration Management; Notification Integration Reference Point; Information Service version 1	4.1.0	Rel-4	S5	TSE, Edwin	.
TS	32.303	Telecommunication management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	4.2.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.304	Telecommunication management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	4.2.0	Rel-4	S5	ZHOU, Di	.
TS	32.311	Telecommunication management; Generic IRP management; Requirements	4.0.1	Rel-4	S5	TOVINGER, Thomas	.
TS	32.312	Telecommunication management; Generic IRP management; Information service	4.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	4.1.0	Rel-4	S5	HÜBINETTE, Ulf	.
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	4.2.0	Rel-4	S5	TOCHE, Christian	.
TS	32.600	Telecommunication management; Configuration Management; 3G configuration management; Concept and main requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.601	Telecommunication management; Configuration Management; Basic CM IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.602	Telecommunication management; Configuration Management; Basic configuration management IRP information model	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.603	Telecommunication management; Configuration Management; Basic configuration management IRP: CORBA solution set	4.2.0	Rel-4	S5	ZHOU, Di	.

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TS	32.604	Telecommunication management; Configuration Management; Basic configuration management IRP CMIP solution set	4.2.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.611	Telecommunication management; Configuration management; 3G configuration management: Bulk CM IRP requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.612	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.613	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.614	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.615	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition	4.2.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.621	Telecommunication management; Configuration Management; Generic network resources IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.622	Telecommunication management; Configuration Management; Generic network resources IRP: NRM	4.2.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.623	Telecommunication management; Configuration Management; Generic network resources IRP: CORBA solution set	4.2.0	Rel-4	S5	ZHOU, Di	.
TS	32.624	Telecommunication management; Configuration Management; Generic network resources: IRP CMIP solution set	4.3.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.631	Telecommunication management; Configuration Management; Core network resources IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.632	Telecommunication management; Configuration Management; Core Network Resources IRP: NRM	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.633	Telecommunication management; Configuration Management; Core network resources IRP: CORBA solution set	4.0.0	Rel-4	S5	ZHOU, Di	.
TS	32.634	Telecommunication management; Configuration Management; Core network resources IRP: CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.641	Telecommunication management; Configuration Management; UTRAN network resources IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.642	Telecommunication management; Configuration Management; UTRAN network resources IRP: NRM	4.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.643	Telecommunication management; Configuration Management; UTRAN network resources IRP: CORBA solution set	4.1.0	Rel-4	S5	ZHOU, Di	
TS	32.644	Telecommunication management; Configuration Management; UTRAN network resources IRP: CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	

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TS	32.651	Telecommunication management; Configuration Management; GERAN network resources IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.652	Telecommunication management; Configuration Management; GERAN network resources IRP: NRM	4.2.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.653	Telecommunication management; Configuration Management; GERAN network resources IRP: CORBA solution set	4.1.0	Rel-4	S5	ZHOU, Di	.
TS	32.654	Telecommunication management; Configuration Management; GERAN network resources IRP: CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TR	32.800	Management level procedures and interaction with UTRAN	4.0.0	Rel-4	S5	BODEN, Bert	.
TS	33.102	3G security; Security architecture	4.3.0	Rel-4	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	4.2.0	Rel-4	S3	BLANCHARD, Colin	SP-15: Not to be promoted to Rel-5.
TS	33.105	Cryptographic Algorithm requirements	4.1.0	Rel-4	S3	CHIKAZAWA, Takeshi	SP-15: Not to be promoted to Rel-5.
TS	33.106	Lawful interception requirements	4.0.0	Rel-4	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	4.3.0	Rel-4	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-15: Not to be promoted to Rel-5.
TS	33.200	Network Domain Security - MAP	4.3.0	Rel-4	S3	ESCOTT, Adrian	
TR	33.800	Principles for Network Domain Security	0.3.5	Rel-4	S3	ESCOTT, Adrian	v0.3.5 not fit for public gaze
TR	33.901	Criteria for cryptographic Algorithm design process	4.0.0	Rel-4	S3	BLOM, Rolf	SP-15: Not to be promoted to Rel-5.
TR	33.902	Formal Analysis of the 3G Authentication Protocol	4.0.0	Rel-4	S3	HORN, Guenther	SP-15: Not to be promoted to Rel-5.
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	.
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	.
TR	33.904	Report on the Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms	none	Rel-4	S3	VACANT,	SP-15: Not to be promoted to Rel-5.
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	4.0.0	Rel-4	S3	WALKER, Michael	SP-15: Not to be promoted to Rel-5.
TR	33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions	4.0.1	Rel-4	S3	WALKER, Michael	SP-15: Not to be promoted to Rel-5.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	4.2.1	Rel-4	T1	CHALABI, Nouhman	
TS	34.109	Terminal logical test interface; Special conformance testing functions	4.2.0	Rel-4	R2	BERGGREN, Anders	
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	none	Rel-4	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	4.3.0	Rel-4	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	4.2.0	Rel-4	T1	SALMERON, Lidia	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	4.2.0	Rel-4	T1	HU, Shicheng	
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	none	Rel-4	T1	HU, Shicheng	

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TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	4.0.0	Rel-4	R4	SOERENSEN, Ole	
TR	34.910	Identification of test requirements for regulatory purposes in different regions/countries	1.0.0	Rel-4	T1	NIELSEN, Bjarke	
TR	34.926	Table of international EMC requirements	4.0.0	Rel-4	R4	FENN, John B	
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	4.1.0	Rel-4	S3	WALKER, Michael	
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	
TR	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	4.0.0	Rel-4	S3	WALKER, Michael	TSG#11:changed to Rel-4.
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	TSG#11:changed to Rel-4
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	TSG#11:changed to Rel-4
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	TSG#11:changed to Rel-4
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	4.0.0	Rel-4	S3	WALKER, Michael	TSG#11:Formerly 35.209 Rel-99 (but never made available)
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	4.0.1	Rel-4	S3	WRIGHT, Tim	
TR	41.033	Lawful Interception requirements for GSM	4.0.1	Rel-4	S3	MCKIBBEN, Bernie	
TS	41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	4.0.0	Rel-4	S3	WALKER, Michael	SP-15: Not to be promoted to Rel-5.
TS	41.102	GSM Release 4 specifications	4.4.0	Rel-4	SP	MEREDITH, John M	
TS	42.009	Security Aspects	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	SP-15: Not to be promoted to Rel-5.
TS	42.017	Subscriber Identity Module (SIM); Functional characteristics	4.0.0	Rel-4	T3	HOOKER, Philip	
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	4.0.0	Rel-4	T3	DIETRICH, Christian	.
TS	42.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	42.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	42.033	Lawful Interception; Stage 1	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	

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TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	4.0.0	Rel-4	S1	GALLIGO, Michel	
TS	42.068	Voice Group Call Service (VGCS); Stage 1	4.1.0	Rel-4	S1	GILES, Les	
TS	42.069	Voice Broadcast Service (VBS); Stage 1	4.1.0	Rel-4	S1	GILES, Les	
TR	43.005	Technical performance objectives	4.0.0	Rel-4	NP	BOSWARTHICK, David	
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	4.1.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.013	Discontinuous Reception (DRX) in the GSM system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	4.1.0	Rel-4	T3	DIETRICH, Christian	
TS	43.020	Security-related network functions	4.0.0	Rel-4	S3	GILBERT, Henri	
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	4.3.0	Rel-4	G1	HOWELL, Andrew	
TR	43.026	Multiband operation of GSM / DCS 1800 by a single operator	4.0.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	43.030	Radio network planning aspects	4.0.1	Rel-4	G1	TEGTH, Ulf	
TS	43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	43.033	Lawful Interception; Stage 2	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	43.035	Immediate Service Termination (IST); Stage 2	4.1.0	Rel-4	S3	WRIGHT, Tim	
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	4.0.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	4.0.0	Rel-4	S4	USAI, Paolino	
TS	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	4.0.0	Rel-4	G1	GIRAUD, Alexis	
TS	43.055	Dual Transfer Mode (DTM); Stage 2	4.1.0	Rel-4	G1	CARRIZO MARTÍNEZ, José Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	4.0.0	Rel-4	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	4.4.0	Rel-4	G1	LIVINGSTON, Margaret	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	4.3.0	Rel-4	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	4.2.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	4.2.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	4.0.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	4.2.0	Rel-4	G2	ISAACS, Ken	
TS	44.005	Data Link (DL) Layer General Aspects	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	TSG#11: Replaces 24.012 for Rel-4 on.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	44.013	Performance Requirements on Mobile Radio Interface	4.0.0	Rel-4	N1	PUDNEY, Chris	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	4.1.0	Rel-4	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	4.8.0	Rel-4	G2	HOWELL, Andrew	#32:9.0.0 MCC-converted Aug00:
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	4.0.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	4.4.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	4.1.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	4.5.0	Rel-4	G2	BLACK, Jyoti	
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	4.3.0	Rel-4	N1	SALKINTZIS, Apostolis	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	4.2.0	Rel-4	N1	SALKINTZIS, Apostolis	
TS	44.068	Group Call Control (GCC) Protocol	4.2.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	4.2.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	45.001	Physical Layer on the Radio Path (General Description)	4.1.0	Rel-4	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and Multiple Access on the Radio Path	4.5.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	4.1.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	4.2.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	4.6.0	Rel-4	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	4.7.0	Rel-4	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	4.2.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	4.2.0	Rel-4	G1	JOKINEN, Harri	
TR	45.022	Radio link management in hierarchical networks	4.0.0	Rel-4	G1	VAN BUSSEL, Han	
TR	45.050	Background for RF Requirements	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.056	CTS-FP Radio Sub-system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	46.001	Full Rate Speech Processing Functions	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.002	Half Rate Speech Processing Functions	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	4.0.0	Rel-4	S4	AFTELAK, Steve	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.010	Full-rate speech transcoding	4.1.0	Rel-4	S4	LORENZ, Dietmar	
TS	46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	4.0.0	Rel-4	S4	NAVARRO, William	
TS	46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	4.1.0	Rel-4	S4	SERENO, Daniele	
TS	46.020	Half Rate Speech Transcoding	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.032	Voice Activity Detection (VAD)	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.051	GSM Enhanced full rate speech processing functions: General description	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.053	ANSI-C code for the GSM Enhanced full rate speech codec	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.055	Performance characterisation of the GSM EFR Speech Codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.060	Enhanced full rate speech transcoding	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	4.0.1	Rel-4	S4	USAI, Paolino	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	4.0.0	Rel-4	S4	USAI, Paolino	
TS	48.001	General Aspects on the BSS-MSC Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	4.7.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	4.4.0	Rel-4	G2	BLACK, Jyoti	
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	4.0.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.054	BSC-BTS : Layer 1 Structure of Physical Circuits	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.056	BSC-BTS Layer 2 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	4.1.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	4.1.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General network interworking scenarios	4.0.0	Rel-4	N4	VACANT,	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	4.0.0	Rel-4	N1	JUKIC, Zdravko	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	50.059	Enhanced Data rates for GSM Evolution (EDGE); Project scheduling and open issues for EDGE	4.0.1	Rel-4	G1	MUELLER, Frank	
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	4.7.0	Rel-4	G5	HU, Shicheng	#32:9.0.0 MCC-converted Aug00:4.0.1
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	4.4.0	Rel-4	G5	HU, Shicheng	
TS	51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	4.5.0	Rel-4	G5	HU, Shicheng	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification	0.0.1	Rel-4	G5	HU, Shicheng	.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	4.3.0	Rel-4	T3	GUTHERY, Scott B.	TP-14: At TP-11 it was decided that there would be no need for a Rel-5 version, since by then all terminals will handle a common USIM. But the question still seems to be open. TP-14: settled: there WILL be a Rel-5!
TS	51.013	Test specification for SIM API for Java card	none	Rel-4	T3	LLOBREGAT, Fernando	TP-15: New WI approved in TP-020029.
TS	51.021	GSM radio aspects base station system equipment specification	4.0.0	Rel-4	G3	BUSIN, Ake	.
TS	51.026	GSM Repeater Equipment Specification	4.0.0	Rel-4	G3	BUSIN, Ake	.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	4.0.0	Rel-4	S5	TOCHE, Christian	.

D.4   Release 5 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	21.103	3rd Generation mobile system Release 5 specifications	1.2.0	Rel-5	SP	MEREDITH, John M	.
TR	21.801	Specification drafting rules	none	Rel-5	SP	MEREDITH, John M	.
TR	21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture	none	Rel-5	S2	LAUTIER, Laurence	.
TR	21.900	Technical Specification Group working methods	none	Rel-5	SP	MEREDITH, John M	.
TR	21.905	Vocabulary for 3GPP Specifications	5.3.0	Rel-5	S1	ZARRI, Michele	.
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	5.1.0	Rel-5	S1	KOKKOLA, Tommi	.
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	5.2.0	Rel-5	S1	CARPENTER, Paul	
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	5.3.0	Rel-5	S1	CATALDO, Mark	
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	5.1.0	Rel-5	S1	CARPENTER, Paul	.
TS	22.071	Location Services (LCS); Stage 1	5.1.0	Rel-5	S1	WOHLERT, Randolph	.
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	5.6.0	Rel-5	S1	GRECH, Michel	
TS	22.101	Service aspects; Service principles	5.5.0	Rel-5	S1	DWYER, Paul	
TS	22.105	Services & service capabilities	5.1.0	Rel-5	S1	EVEN, Anne	.
TS	22.112	USIM toolkit interpreter; Stage 1	5.0.0	Rel-5	T3	MEYER, Michael	.
TS	22.115	Service Aspects Charging and billing	5.2.0	Rel-5	S1	MONTEGROSSO, Emanuele	
TS	22.121	Service aspects; The Virtual Home Environment; Stage 1	5.3.0	Rel-5	S1	OGUNBEKUN, Jumoke	
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	5.3.0	Rel-5	S1	SWETINA, Joerg	.
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	5.1.0	Rel-5	S1	SAMPSON, Nick	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/WG	Editor	Comment
TS	22.140	Service aspects; Stage 1; Multimedia Messaging Service	5.1.0	Rel-5	S1	LAUMEN, Josef	.
TS	22.141	Presence service; Stage 1	5.2.0	Rel-5	S1	WOHLERT, Randolph	.
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	5.2.0	Rel-5	S1	JARVIS, Andre	To be approved SA#13.
TS	22.226	Global text telephony; Stage 1: Service description	5.2.0	Rel-5	S1	HELLSTROM, Gunnar	WI approved TSG#7
TS	22.228	Service requirements for the IP multimedia core network subsystem; Stage 1	5.5.0	Rel-5	S1	CATALDO, Mark	Clayton 2000-10-16: Rel-5 confirmed.
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	5.0.0	Rel-5	S1	WOLAK, Stephen	.
TR	22.928	IP-based multimedia services examples	none	Rel-5	S1	CATALDO, Mark	.
TR	22.941	IP based multimedia framework; Stage 0	0.7.0	Rel-5	S1	WOHLERT, Randolph	.
TR	22.944	Service requirements for UE functionality split	5.0.0	Rel-5	S1	GUPTA, Sanjay	.
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-5	S1	CATALDO, Mark	2001-12-04: Rel4->Rel-5 (Clayton).
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-5	S1	CATALDO, Mark	2001-12-04: Rel4->Rel-5 (Clayton).
TS	23.002	Network Architecture	5.6.0	Rel-5	S2	SULTAN, Alain	
TS	23.003	Numbering, Addressing and Identification	5.2.0	Rel-5	N4	GAASVIK, Per-Ola	.
TS	23.007	Restoration procedures	none	Rel-5	N4	RUSSELL, Nick	.
TS	23.008	Organisation of subscriber data	5.0.0	Rel-5	N4	BAUER, Rolf	.
TS	23.009	Handover procedures	5.0.0	Rel-5	N1	FARHOUMAND, Rouzbeh	.
TS	23.011	Technical realization of Supplementary Services	none	Rel-5	N4	CONRAD, Alan	.
TS	23.012	Location management procedures	5.0.0	Rel-5	N4	VACANT,	.
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	none	Rel-5	N1	ZAUS, Robert	.
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	none	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.016	Subscriber data management; Stage 2	5.0.0	Rel-5	N4	VACANT,	.
TS	23.018	Basic Call Handling; Technical realization	5.3.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	none	Rel-5	N1	KOKKOLA, Tommi	.
TS	23.038	Alphabets and language-specific information	5.0.0	Rel-5	T2	HARRIS, Ian	.
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	none	Rel-5	T2	HARRIS, Ian	.
TS	23.040	Technical realization of Short Message Service (SMS)	5.3.0	Rel-5	T2	HARRIS, Ian	.
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	none	Rel-5	T2	HARRIS, Ian	.
TS	23.042	Compression algorithm for SMS	none	Rel-5	T2	HARRIS, Ian	.
TS	23.048	Security Mechanisms for the (U)SIM application toolkit; Stage 2	5.3.0	Rel-5	T3	BARNES, Nigel	.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	5.0.0	Rel-5	T2	CATALDO, Mark	.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	5.1.0	Rel-5	S2	DELECKI, Andrew	.
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	none	Rel-5	N4	LOPEZ SORIA, Luis	.
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	none	Rel-5	N4	PERLICK, Vivien	.
TS	23.072	Call Deflection Supplementary Service; Stage 2	none	Rel-5	N4	CONRAD, Alan	.
TS	23.073	Support of Localised Service Area (SoLSA); Stage 2	none	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	none	Rel-5	N2	HOMANN, Christian	Phase 4.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	5.0.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.081	Line Identification supplementary services; Stage 2	none	Rel-5	N4	VACANT,	.

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TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	none	Rel-5	N4	VACANT,	.
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	none	Rel-5	N4	DETTNER, Harald	.
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	none	Rel-5	N4	DETTNER, Harald	.
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	none	Rel-5	N4	DETTNER, Harald	.
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	none	Rel-5	N4	DETTNER, Harald	.
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	none	Rel-5	N4	CROOK, Mick	.
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	none	Rel-5	N4	RUSSELL, Nick	.
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	none	Rel-5	N4	DETTNER, Harald	.
TS	23.094	Follow Me Stage 2	none	Rel-5	N4	SWETINA, Joerg	.
TS	23.096	Name Identification Supplementary Service; Stage 2	none	Rel-5	N4	DETTNER, Harald	.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	none	Rel-5	N4	HEWSON, Ruth	.
TS	23.107	Quality of Service (QoS) concept and architecture	5.4.0	Rel-5	S2	GREIS, Marc	
TS	23.116	Super-Charger technical realization; Stage 2	none	Rel-5	N4	ALLEN, Nicholas	.
TS	23.119	Gateway Location Register (GLR); Stage2	none	Rel-5	N4	SAWADA, Masahiro	.
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	none	Rel-5	N1	HIETALAHTI, Hannu	.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	5.1.0	Rel-5	S2	GOURRAUD, Christophe	.
TS	23.135	Multicall supplementary service; Stage 2	none	Rel-5	N4	MITAMURA, Kazuo	.
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	5.2.0	Rel-5	T2	LAUMEN, Josef	2002-01-25: WAP forum elements will not be ready in time for Rel-5, so suspend SDO publication till it is available.
TS	23.146	Technical realisation of facsimile Group 3 service - non-transparent	none	Rel-5	N3	HAGIWARA, Junichiro	.
TS	23.153	Out of Band Transcoder Control; Stage 2	5.0.0	Rel-5	N4	VACANT,	.
TS	23.174	Push service; stage 2	none	Rel-5	S2	WOLAK, Stephen	.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	5.1.0	Rel-5	N4	GARCIA-MENDIVE, Elena	.
TS	23.207	End to end quality of service concept and architecture	5.3.0	Rel-5	S2	OYAMA, Johnson	.
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	5.0.0	Rel-5	N1	ALLEN, Andrew	.
TS	23.221	Architectural requirements	5.4.0	Rel-5	S2	DANIEL, Elizabeth	
TS	23.226	Global text telephony; Stage 2: Architecture	5.1.0	Rel-5	S2	HELLSTROM, Gunnar	WI approved TSG#7
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	5.1.0	Rel-5	T2	TOMÉ, Olga	.
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	5.4.0	Rel-5	S2	TOWLE, Thomas	SP-15: No IMS support in Rel-5.
TS	23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	5.2.0	Rel-5	S2	TERRILL, Stephen	.
TS	23.240	3GPP generic user profile requirements; Stage 2; Architecture	none	Rel-5	S2	UZQUIANO, Nacho	.
TS	23.271	Functional stage 2 description of location services	5.2.0	Rel-5	S2	KÅLL, Jan	.
TR	23.815	Charging implications of IMS architecture	5.0.0	Rel-5	S2	MILINSKI, Alexander	.
TR	23.841	Presence service architecture	1.0.0	Rel-5	S2	MAANSAARI, Kirsi	.
TR	23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	0.2.0	Rel-5	S2	JARVIS, Andre	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	23.871	Enhanced support for user privacy in Location Services (LCS)	2.0.0	Rel-5	S2	KÅLL, Jan	.
TR	23.875	Support of Push service	5.1.0	Rel-5	S2	UDA, Nobuyuki	.
TR	23.908	Technical report on Pre-Paging	none	Rel-5	N4	VACANT,	.
TR	23.909	Technical report on the Gateway Location Register	none	Rel-5	N4	PARK, Ian David Chalmers	.
TR	23.910	Circuit switched data bearer services	5.0.0	Rel-5	N3	WIIK, Rune Werner	.
TR	23.911	Technical report on Out-of-band transcoder control	none	Rel-5	N4	KYMALAINEN, Kimmo	.
TR	23.912	Technical report on Super-Charger	none	Rel-5	N4	SHARP, Iain	.
TR	23.955	Virtual Home Environment (VHE) concepts	0.1.0	Rel-5	S2	SULTAN, Alain	.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	none	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	none	Rel-5	N1	HOWELL, Andrew	.
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	5.3.0	Rel-5	N1	HOWELL, Andrew	.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	none	Rel-5	N4	ANDERSEN, Niels Peter Skov	.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	none	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	5.0.0	Rel-5	N3	KLEHN, Norbert	.
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	5.0.0	Rel-5	N4	GARAPATY, Sonia	.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	none	Rel-5	N4	PERLICK, Vivien	.
TS	24.072	Call Deflection Supplementary Service; Stage 3	none	Rel-5	N4	DETTNER, Harald	.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	5.0.0	Rel-5	N4	DETTNER, Harald	.
TS	24.081	Line Identification Supplementary Service; Stage 3	none	Rel-5	N4	DETTNER, Harald	.
TS	24.082	Call Forwarding supplementary service; Stage 3	none	Rel-5	N4	DETTNER, Harald	.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	none	Rel-5	N4	RUSSELL, Nick	.
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	none	Rel-5	N4	RUSSELL, Nick	.
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	none	Rel-5	N4	DETTNER, Harald	.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	none	Rel-5	N4	DETTNER, Harald	.
TS	24.087	User-to-User Signalling (UUS); Stage 3	none	Rel-5	N4	DETTNER, Harald	.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	none	Rel-5	N4	DETTNER, Harald	.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	none	Rel-5	N4	BRUSS, Jörg	.
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	none	Rel-5	N4	RUSSELL, Nick	.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	none	Rel-5	N4	DETTNER, Harald	.
TS	24.096	Name Identification Supplementary Service; Stage 3	none	Rel-5	N4	DETTNER, Harald	.
TS	24.135	Multicall supplementary service; Stage 3	none	Rel-5	N4	MITAMURA, Kazuo	.
TS	24.228	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	5.0.0	Rel-5	N1	O'HARE, John	.
TS	24.229	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	5.0.0	Rel-5	N1	DRAGE, Keith	
TS	24.241	3GPP generic user profile requirements; Stage 3; Access; Common objects	none	Rel-5	T2	LOCKHART, Rob	.

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TS	25.101	UE Radio transmission and reception (FDD)	5.2.0	Rel-5	R4	FERNANDES, Edgar	.
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	5.0.0	Rel-5	R4	KOTTKAMP, Meik	.
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	5.2.0	Rel-5	R4	SKÖLD, Johan	.
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	5.0.0	Rel-5	R4	KOTTKAMP, Meik	.
TS	25.106	UTRA Repeater; Radio transmission and reception	5.0.0	Rel-5	R4	NILSSON, Martin	.
TS	25.113	Base station and repeater ElectroMagnetic Compatibility (EMC)	5.0.0	Rel-5	R4	BARNES, David	.
TS	25.123	Requirements for support of radio resource management (TDD)	5.0.0	Rel-5	R4	RONCHINI, M. Cristina	.
TS	25.133	Requirements for support of radio resource management (FDD)	5.2.0	Rel-5	R4	RONCHINI, M. Cristina	.
TS	25.141	Base station conformance testing (FDD)	5.2.0	Rel-5	R4	NAKAMURA, Takaharu	.
TS	25.142	Base station conformance testing (TDD)	5.0.0	Rel-5	R4	MEYER, Juergen	.
TS	25.143	UTRA repeater; Conformance testing	5.0.0	Rel-5	R4	KUMMETZ, Thomas	.
TS	25.201	Physical layer - general description	5.0.0	Rel-5	R1	TOSKALA, Antti	.
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	5.0.0	Rel-5	R1	WILDE, Andreas	.
TS	25.212	Multiplexing and channel coding (FDD)	5.0.0	Rel-5	R1	TANAKA, Yoshinori	.
TS	25.213	Spreading and modulation (FDD)	5.0.0	Rel-5	R1	CHAMBERS, Peter	.
TS	25.214	Physical layer procedures (FDD)	5.0.0	Rel-5	R1	IKEDA, Shinobu	.
TS	25.215	Physical layer; Measurements (FDD)	5.0.0	Rel-5	R1	IKEDA, Shinobu	.
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	5.0.0	Rel-5	R1	HIRAMATSU, Katsuhiko	.
TS	25.222	Multiplexing and channel coding (TDD)	5.0.0	Rel-5	R1	KAHTAVA, Jussi	.
TS	25.223	Spreading and modulation (TDD)	5.0.0	Rel-5	R1		.
TS	25.224	Physical layer procedures (TDD)	5.0.0	Rel-5	R1	OESTREICH, Stefan	.
TS	25.225	Physical layer; Measurements (TDD)	5.0.0	Rel-5	R1	IKEDA, Shinobu	.
TS	25.301	Radio Interface Protocol Architecture	5.0.0	Rel-5	R2	GRANZOW, Wolfgang	.
TS	25.302	Services provided by the physical layer	5.0.0	Rel-5	R2	MIHAILESCU, Claudiu	.
TS	25.303	Interlayer procedures in Connected Mode	5.0.0	Rel-5	R2	RINNE, Mikko J	.
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	5.0.0	Rel-5	R2	MAHKONEN, Marko	.
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	5.4.0	Rel-5	R2	MIHAILESCU, Claudiu	
TS	25.306	UE Radio Access capabilities definition	5.0.0	Rel-5	R2	BERGGREN, Anders	.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	5.0.0	Rel-5	R2	FAUCONNIER, Denis	Expect continual updates each time a new band is allowed.
TS	25.308	UTRA High Speed Downlink Packet Access (HSPDA); Overall description; Stage 2	5.2.0	Rel-5	R2	KUCHIBHOTLA, Ravi	.
TS	25.321	Medium Access Control (MAC) protocol specification	5.0.0	Rel-5	R2	GESSNER, Christina	.
TS	25.322	Radio Link Control (RLC) protocol specification	5.0.0	Rel-5	R2	MADELAINE, Sebastien	.
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	5.0.0	Rel-5	R2	HANS, Martin	.
TS	25.324	Broadcast/Multicast Control (BMC)	5.0.0	Rel-5	R2	KRISCHAN, Peter	.
TS	25.331	Radio Resource Control (RRC) protocol specification	5.0.0	Rel-5	R2	KUCHIBHOTLA, Ravi	.
TS	25.401	UTRAN Overall Description	5.2.0	Rel-5	R3	CALMEL, Jean-Marie	.
TS	25.402	Synchronisation in UTRAN Stage 2	5.0.0	Rel-5	R3	PIOLINI, Flavio	.
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	5.0.0	Rel-5	R3	TOWNEND, Richard	.

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TS	25.411	UTRAN Iu interface Layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	.
TS	25.411	UTRAN Iu interface Layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	.
TS	25.412	UTRAN Iu interface signalling transport	5.0.0	Rel-5	R3	THAKARE, Kiran	.
TS	25.413	UTRAN Iu interface RANAP signalling	5.0.0	Rel-5	R3	JUSSILA, Jyrki	.
TS	25.414	UTRAN Iu interface data transport & transport signalling	5.0.0	Rel-5	R3	COMSTOCK, David	.
TS	25.415	UTRAN Iu interface user plane protocols	5.0.0	Rel-5	R3	MAUPIN, Alain	.
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	5.0.0	Rel-5	R3	TAYLOR, Carolyn	.
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	5.0.0	Rel-5	R3	THAKARE, Kiran	.
TS	25.421	UTRAN Iur interface Layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	.
TS	25.422	UTRAN Iur interface signalling transport	5.0.0	Rel-5	R3	THAKARE, Kiran	.
TS	25.423	UTRAN Iur interface RNSAP signalling	5.0.0	Rel-5	R3	RUNE, Göran	.
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	5.0.0	Rel-5	R3	DREVON, Nicolas	.
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	5.0.0	Rel-5	R3	DREVON, Nicolas	.
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	5.0.0	Rel-5	R3	KEKKI, Sami	.
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	5.0.0	Rel-5	R3	LONGONI, Fabio	.
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	5.0.0	Rel-5	R3	WILSON, Mick	.
TS	25.431	UTRAN Iub interface Layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	.
TS	25.432	UTRAN Iub interface: signalling transport	5.0.0	Rel-5	R3	WILSON, Mick	.
TS	25.433	UTRAN Iub interface NBAP signalling	5.0.0	Rel-5	R3	ISHIKAWA, Nobutaka	.
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	5.0.0	Rel-5	R3	ALDEN, Magnus	.
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	5.0.0	Rel-5	R3	CALMEL, Jean-Marie	.
TS	25.442	UTRAN implementation-specific O&M transport	5.0.0	Rel-5	R3	RECKER, Stephan	.
TS	25.450	UTRAN Iupc interface general aspects and principles	5.1.0	Rel-5	R3	LIN, Ie-Hong	.
TS	25.451	UTRAN Iupc interface layer 1	5.0.0	Rel-5	R3	LIN, Ie-Hong	.
TS	25.452	UTRAN Iupc interface signalling transport	5.0.0	Rel-5	R3	LIN, Ie-Hong	.
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	5.3.0	Rel-5	R3	LIN, Ie-Hong	.
TR	25.854	Uplink Synchronous Transmission Scheme (USTS)	5.0.0	Rel-5	R1	KIM, Duk Kyung	
TR	25.855	High Speed Downlink Packet Access (HSDPA); Overall UTRAN description	5.0.0	Rel-5	R2	KUCHIBHOTLA, Ravi	RP-13: This TR will be replaced by TS 25.308.
TR	25.856	High Speed Downlink Packet Access (HSDPA); Layer 2 and 3 aspects	none	Rel-5	R2	KUCHIBHOTLA, Ravi	.
TR	25.857	UE positioning enhancements	none	Rel-5	R2	BECKMANN, Mark	.
TR	25.858	Physical layer aspects of UTRA High Speed Downlink Packet Access	5.0.0	Rel-5	R1	GHOSH, Amitabha	.
TR	25.859	User Equipment (UE) positioning enhancements for 1,28 Mcps TDD	5.0.0	Rel-5	R2	,	.
TR	25.860	Radio acces bearer support enhancements	1.0.0	Rel-5	R2	MIKOLA, Juha	.
TR	25.867	Feasibility study for wideband distribution systems in 3rd generation networks	1.0.0	Rel-5	R4	ALLAN, Mark	.

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TR	25.868	Node B synchronization for 1,28 Mcps TDD	5.0.0	Rel-5	R1	HU, Jinling	.
TR	25.869	Transmitter diversity solutions for multiple antennas	1.0.2	Rel-5	R1	KIM, Sung-Jin	.
TR	25.870	Enhancement on the DSCH Hard Split mode	5.0.0	Rel-5	R1	KIM, Jaeyoel	.
TR	25.875	NAS node selector function	5.0.0	Rel-5	R3	MCWILLIAMS, Brendan	
TR	25.876	Multiple-Input Multiple-Output Antenna Processing for HSDPA	1.0.0	Rel-5	R1	HUANG, Howard	.
TR	25.877	High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects	5.0.0	Rel-5	R3	DIESEN, Michael	.
TR	25.878	RL timing adjustment	5.0.0	Rel-5	R3	VOLTOLINA, Elena	.
TR	25.879	Separation of resource reservation and radio link activation	5.0.0	Rel-5	R3	LIESHOUT, Gert-Jan	.
TS	25.880	Traffic termination point swapping	5.0.0	Rel-5	R3	ISOKANGAS, Jari	.
TR	25.881	Improvement of Radio Resource Management across RNS and RNS/BSS	5.0.0	Rel-5	R3	HWANG, Woonhee	.
TR	25.882	1,28 Mcps TDD option base station classification	1.1.0	Rel-5	R4	MEYER, Juergen	.
TR	25.883	Direct Transport Bearers Between SRNC and Node-B	0.2.0	Rel-5	R3	VAN LIESHOUT, Gert-Jan	.
TR	25.884	Iur Neighbouring cell reporting efficiency optimisation	5.0.0	Rel-5	R3	VOLTOLINA, Elena	.
TR	25.885	UMTS 1800 / 1900 MHz work items report	1.0.0	Rel-5	R4	NUMMINEN, Jussi	.
TR	25.886	Ssmall technical enhancements and improvements work item	none	Rel-5	R4	KWAK, Joe	.
TR	25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD	none	Rel-5	R1	LI, Xiaoqiang	.
TR	25.890	High Speed Downlink Packet Access (HSDPA); User Equipment (UE) radio transmission and reception (FDD)	0.0.0	Rel-5	R4	FERNANDES, Edgar	.
TR	25.921	Guidelines and principles for protocol description and error handling	5.0.0	Rel-5	R2	KALLA, Gairn	.
TR	25.922	Radio Resource Management Strategies	5.0.0	Rel-5	R2	MAGNANI, Nicola Pio	.
TR	25.931	UTRAN Functions, examples on signalling procedures	5.0.0	Rel-5	R3	SCARRONE, Enrico	.
TR	25.933	IP transport in UTRAN	5.0.0	Rel-5	R3	DREVON, Nicolas	2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon).
TR	25.933	IP transport in UTRAN	5.0.0	Rel-5	R3	DREVON, Nicolas	2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon).
TR	25.942	RF system scenarios	5.0.0	Rel-5	R4	BENABDALLAH, Nadia	.
TR	25.943	Deployment aspects	5.0.0	Rel-5	R4	SKÖLD, Johan	.
TR	25.945	RF requirements for low chip rate TDD option	5.0.0	Rel-5	R4	ZHANG, Daijun	.
TR	25.951	Base Station classification (FDD)	1.1.0	Rel-5	R4	LAGERSTAM, Timo	2002-01-24: Gutierrez: moved from Rel-4.
TR	25.951	Base Station classification (FDD)	1.1.0	Rel-5	R4	LAGERSTAM, Timo	2002-01-24: Gutierrez: moved from Rel-4.
TR	25.952	Base Station classification (TDD)	5.0.0	Rel-5	R4	AXNESS, Timothy	promoted from Rel-4 at RP-12.
TR	25.956	UTRA repeater: Planning guidelines and system analysis	5.0.0	Rel-5	R4	GARCIA LOPEZ, Lorena	.
TR	25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	5.0.0	Rel-5	R4	MOSHAVI, Shimon	.
TS	26.103	Codec lists	5.1.0	Rel-5	S4	HELLWIG, Karl	
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	5.1.0	Rel-5	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	5.2.0	Rel-5	S4	GOETZ, Ian	
TS	26.140	Multimedia Messaging Service (MMS); Media formats and codes	5.0.0	Rel-5	S4	CASTAGNO, Roberto	.
TS	26.171	AMR speech codec, wideband; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	

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TS	26.173	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	5.4.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.174	AMR speech codec, wideband; Test sequences	5.3.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.190	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions	5.1.0	Rel-5	S4	VACANT,	
TS	26.191	AMR speech codec, wideband; Error concealment of lost frames	5.1.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.192	Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects	5.0.0	Rel-5	S4	VACANT,	
TS	26.193	AMR speech codec, wideband; Source Controlled Rate operation	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.194	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)	5.0.0	Rel-5	S4	VACANT,	
TS	26.201	AMR speech codec, wideband; Frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.202	AMR speech codec, wideband; Interface to Iu and Uu	5.0.0	Rel-5	S4	NAVARRO, William	
TS	26.204	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec	5.0.0	Rel-5	S4	,	.
TS	26.226	Global text telephony;Transport of text in the voice channel	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	TSG#10:2.0.0=SP-000569(Rel-5)->Rel-4
TS	26.230	Global text telephony; Cellular text telephone modem transmitter C-code description	5.0.1	Rel-5	S4	HELLSTROM, Gunnar	TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4
TS	26.231	Global text telephony; Cellular text telephone modem minimum performance requirements	5.2.0	Rel-5	S4	HELLSTROM, Gunnar	
TS	26.233	End-to-end transparent streaming service; General description	5.0.0	Rel-5	S4	HONKO, Harri	.
TS	26.234	End-to-end transparent streaming service; Protocols and codecs	5.0.0	Rel-5	S4	NOHLGREN, Anders	.
TS	26.235	Packet switched conversational multimedia applications; Default codecs	5.1.0	Rel-5	S4	OJALA, Pasi	SP-12: transferred to Rel-5.
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	5.0.0	Rel-5	S4	OJALA, Pasi	.
TR	26.937	Transparent end-to-end packet switched streaming service (PSS); RTP usage model	0.1.0	Rel-5	S4	VARSA, Viktor	.
TR	26.976	Results of the AMR wideband (AMR-W) selection phase	0.6.0	Rel-5	S4	JÄRVINEN, Kari	.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	5.1.0	Rel-5	N3	WIIK, Rune Werner	.
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	5.0.0	Rel-5	N3	WIIK, Rune Werner	.
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	5.0.0	Rel-5	N3	WIIK, Rune Werner	.
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	none	Rel-5	T2	HARRIS, Ian	.
TS	27.007	AT command set for 3G User Equipment (UE)	5.1.0	Rel-5	T2	VACANT,	.
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	none	Rel-5	T2	BROOK, Richard	.
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	5.0.0	Rel-5	N3	WILD, Johanna	.
TS	27.103	Wide Area Network Synchronization	none	Rel-5	T2	LOCKHART, Rob	.

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TS	27.104	vObjects and other constructs for data synchronization	0.1.1	Rel-5	T2	LOCKHART, Rob	TSG#11:Rel4->Rel5.
TS	27.241	3GPP generic user profile requirements; Stage 3; Access; Common objects	none	Rel-5	T2	LOCKHART, Rob	.
TR	27.901	Report on Terminal Interfaces - An Overview	none	Rel-5	T2	REX, Thomas	.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	5.0.0	Rel-5	S4	SUERBAUM, Clemens	.
TS	29.002	Mobile Application Part (MAP) specification	5.1.0	Rel-5	N4	DETTNER, Harald	.
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	5.1.0	Rel-5	N3	KLEHN, Norbert	.
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	none	Rel-5	N4	VACANT,	.
TS	29.011	Signalling Interworking for Supplementary Services	none	Rel-5	N4	DETTNER, Harald	.
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	none	Rel-5	N4	DETTNER, Harald	.
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	none	Rel-5	N1	MILLS, Duncan	.
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	5.1.0	Rel-5	N1	MILLS, Duncan	.
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	5.1.0	Rel-5	N4	YOUNG, Michael	.
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	5.1.0	Rel-5	N3	WILD, Johanna	.
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	none	Rel-5	N2	NOLDUS, Rogier	Phase 4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	5.0.0	Rel-5	R3	VESELY, Alexander	.
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	none	Rel-5	N4	AIKAWA, Shinichiro	.
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	none	Rel-5	N4	MITAMURA, Kazuo	.
TS	29.162	Interworking between the IM CN subsystem and IP networks	1.0.0	Rel-5	N3	HOLLAND, Nigel	.
TS	29.163	Interworking between the IM CN subsystem and CS networks	1.2.0	Rel-5	N3	SANDERS, David	.
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	none	Rel-5	N5	MOERDIJK, Ard-Jan	.
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	none	Rel-5	N5	MOERDIJK, Ard-Jan	.
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	none	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	none	Rel-5	N5	MOERDIJK, Ard-Jan	.

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TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	none	Rel-5	N5	MOERDIJK, Ard-Jan	.
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	none	Rel-5	N5	MARKWARDT, Gert	.
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	5.0.0	Rel-5	N5	SAARENPAA, Matti	.
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	none	Rel-5	N5	UNMEHOPA, Musa	.
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	none	Rel-5	N5	LAGENDIJK, Louis	.
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	none	Rel-5	N5	UNMEHOPA, Musa	.
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy Management SCF	0.0.1	Rel-5	N5	UNMEHOPA, Musa	.
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 13: Presence and Availability Management (PAM)	none	Rel-5	N5	VENKATESH, Guda	.
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	none	Rel-5	N4	ANGELO, Ciriaco	.
TS	29.205	Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3	none	Rel-5	N4	HEIDERMARK, Alf	.
TS	29.207	Policy control over Go interface	1.0.0	Rel-5	N3	YOKOTA, Daisuke	.
TS	29.208	End to end Quality of Service (QoS) signalling flows	1.0.0	Rel-5	N3	YOKOTA, Daisuke	.
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	1.1.0	Rel-5	N4	CZOMA, Balazs	.
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	1.1.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	5.1.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	29.240	3GPP generic user profile requirements; Stage 3; Network	none	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	29.328	IP Multimedia Subsystem (IMS) Sh Interface signalling flows and message contents	none	Rel-5	N4	BERRY, Nigel. H	.
TS	29.329	Sh interface based on the Diameter protocol	none	Rel-5	N4	BERRY, Nigel. H	.
TS	29.414	Core network Nb data transport and transport signalling	5.0.0	Rel-5	N3	BELLING, Thomas	.
TS	29.415	Core network Nb interface user plane protocols	5.0.0	Rel-5	N3	SANDERS, David	
TR	29.903	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	5.0.0	Rel-5	N4	YOUNG, Michael	NP-11:creation Supersedes 29.203
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	none	Rel-5	N5	UNMEHOPA, Musa	.
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	none	Rel-5	N5	UNMEHOPA, Musa	.
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4:Call Control Service Mapping; Subpart 4: Multiparty Call Control SIP	0.2.1	Rel-5	N5	UNMEHOPA, Musa	.Was originally Rel-6, but moved to Rel 5 NP-15.

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TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	none	Rel-5	N5	UNMEHOPA, Musa	.
TR	29.998-05-2	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 2: INAP mapping	none	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-05-3	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 3: MEGACO mapping	none	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	none	Rel-5	N5	UNMEHOPA, Musa	.
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	none	Rel-5	N5	UNMEHOPA, Musa	.
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	none	Rel-5	N5	UNMEHOPA, Musa	.
TR	30.002	Guidelines for the modification of the Mobile Application Part (MAP)	none	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-5	T3	VIALLET, Sophie	
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-5	T3	VIALLET, Sophie	
TS	31.102	Characteristics of the USIM Application	5.0.0	Rel-5	T3	HEIM, Christian	.
TS	31.111	USIM Application Toolkit (USAT)	5.0.0	Rel-5	T3	WOODSEND, Kristian	.
TS	31.112	USAT Interpreter Architecture Description; Stage 2	5.1.0	Rel-5	T3	,	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.113	USAT interpreter byte codes	5.2.0	Rel-5	T3	,	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.114	USAT interpreter protocol and administration	5.0.0	Rel-5	T3	MEYER, Michael	
TS	31.115	Secured packet structure for (U)SIM Toolkit applications	1.0.0	Rel-5	T3	VIALLET, Sophie	.
TS	31.116	Remote APDU Structure for (U)SIM Toolkit applications	1.0.0	Rel-5	T3	VIALLET, Sophie	.
TS	31.131	C-language binding for (U)SIM API	1.0.0	Rel-5	T3	TON, Wim	.
TR	31.900	SIM/USIM internal and external interworking aspects	5.0.0	Rel-5	T3	KALINER, Stefan	.
TS	32.101	3G Telecom Management principles and high level requirements	5.0.0	Rel-5	S5	TRUSS, Michael	.
TS	32.102	3G Telecom Management Architecture	5.0.0	Rel-5	S5	BERGGREN, Tommy	.
TS	32.108	Telecommunication management; Subscriber and equipment trace	0.1.0	Rel-5	S5	RONKA, Kari	SP-15: Partial service only.
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	5.0.0	Rel-5	S5	TOVINGER, Thomas	.

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TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.200	Telecommunication management; Charging management; Charging principles	5.0.0	Rel-5	S5	AHLBÄCK, Hans	.
TS	32.200	Telecommunication management; Charging management; Charging principles	5.0.0	Rel-5	S5	AHLBÄCK, Hans	.
TS	32.205	Telecommunication management; Charging management; 3G charging data description for the CS domain	5.0.0	Rel-5	S5	BENDER, James	.
TS	32.215	Telecommunications management; Charging management; Charging data description for the Packet Switched (PS) domain	5.0.0	Rel-5	S5	LEHNERT, Matthias	.
TS	32.225	Telecommunication management; Charging management; Charging data description for the IP Multemedia Subsystem (IMS)	1.0.0	Rel-5	S5	SHARON, Ariel	.
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	none	Rel-5	S5	GOERMER, Gerald	.
TS	32.300	Telecommunication management; 3G configuration management; Name convention for Managed Objects	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.301	Telecommunication management; Configuration Management; Notification IRP: requirements	5.0.0	Rel-5	S5	PIRT, Trevor	.
TS	32.302	Telecommunication management; Configuration Management; Notification Integration Reference Point; Information Service version 1	5.0.1	Rel-5	S5	TSE, Edwin	.
TS	32.303	Telecommunication management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.304	Telecommunication management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	5.1.0	Rel-5	S5	ZHOU, Di	.
TS	32.311	Telecommunication management; Generic IRP management; Requirements	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.312	Telecommunication management; Generic IRP management; Information service	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.321	Telecommunication management; Test management IRP; Requirements	none	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.322	Telecommunication management; Test management IRP; Information service	none	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.324	Telecommunication management; Test management IRP; CMIP solution set	none	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	5.0.0	Rel-5	S5	HÜBINETTE, Ulf	.
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	none	Rel-5	S5	TOCHE, Christian	.
TS	32.600	Telecommunication management; Configuration Management; 3G configuration management; Concept and main requirements	none	Rel-5	S5	PIRT, Trevor	.

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TS	32.601	Telecommunication management; Configuration Management; Basic CM IRP: requirements	none	Rel-5	S5	PIRT, Trevor	.
TS	32.602	Telecommunication management; Configuration Management; Basic configuration management IRP information model	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.603	Telecommunication management; Configuration Management; Basic configuration management IRP: CORBA solution set	none	Rel-5	S5	ZHOU, Di	.
TS	32.604	Telecommunication management; Configuration Management; Basic configuration management IRP CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.611	Telecommunication management; Configuration management; 3G configuration management: Bulk CM IRP requirements	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.612	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.613	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.614	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.615	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.621	Telecommunication management; Configuration Management; Generic network resources IRP: requirements	none	Rel-5	S5	PIRT, Trevor	.
TS	32.622	Telecommunication management; Configuration Management; Generic network resources IRP: NRM	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.623	Telecommunication management; Configuration Management; Generic network resources IRP: CORBA solution set	none	Rel-5	S5	ZHOU, Di	.
TS	32.624	Telecommunication management; Configuration Management; Generic network resources: IRP CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.625	Telecommunication management; 3G Configuration Management; Generic network resources IRP: Bulk CM XML file format definition	none	Rel-5	S5	BONNEAU, Frédéric	.
TS	32.631	Telecommunication management; Configuration Management; Core network resources IRP: requirements	none	Rel-5	S5	PIRT, Trevor	.
TS	32.632	Telecommunication management; Configuration Management; Core Network Resources IRP: NRM	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.633	Telecommunication management; Configuration Management; Core network resources IRP: CORBA solution set	none	Rel-5	S5	ZHOU, Di	.

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TS	32.634	Telecommunication management; Configuration Management; Core network resources IRP: CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.635	Telecommunication management; 3G Configuration Management; Generic network resources IRP: Bulk CM XML file format definition	none	Rel-5	S5	BONNEAU, Frédéric	.
TS	32.641	Telecommunication management; Configuration Management; UTRAN network resources IRP: requirements	none	Rel-5	S5	PIRT, Trevor	.
TS	32.642	Telecommunication management; Configuration Management; UTRAN network resources IRP: NRM	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.643	Telecommunication management; Configuration Management; UTRAN network resources IRP: CORBA solution set	none	Rel-5	S5	ZHOU, Di	.
TS	32.644	Telecommunication management; Configuration Management; UTRAN network resources IRP: CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.645	Telecommunication management; 3G Configuration Management; UTRAN network resources IRP: Bulk CM XML file format definition	none	Rel-5	S5	BONNEAU, Frédéric	.
TS	32.651	Telecommunication management; Configuration Management; GERAN network resources IRP: requirements	none	Rel-5	S5	PIRT, Trevor	.
TS	32.652	Telecommunication management; Configuration Management; GERAN network resources IRP: NRM	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.653	Telecommunication management; Configuration Management; GERAN network resources IRP: CORBA solution set	none	Rel-5	S5	ZHOU, Di	.
TS	32.654	Telecommunication management; Configuration Management; GERAN network resources IRP: CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.655	Telecommunication management; 3G Configuration Management; GERAN network resources IRP: Bulk CM XML file format definition	none	Rel-5	S5	BONNEAU, Frédéric	
TS	32.661	Telecommunication management; 3G configuration management; Kernel CM requirements	1.0.0	Rel-5	S5	WILBER, John	.
TS	32.662	Telecommunication management; 3G configuration management; Kernel CM information service	1.0.0	Rel-5	S5	WILBER, John	.
TS	32.671	Telecommunication management; 3G Configuration Management; State Management IRP: Requirements	0.1.2	Rel-5	S5	ZHOU, Di	.
TS	32.672	Telecommunication management; 3G Configuration Management; State Management IRP: Information service	0.1.1	Rel-5	S5	ZHOU, Di	.
TS	32.673	Telecommunication management; 3G Configuration Management; State Management IRP: CORBA Solution set	none	Rel-5	S5	ZHOU, Di	.
TS	32.674	Telecommunication management; 3G Configuration Management; State Management IRP: CMIP Solution set	0.1.0	Rel-5	S5	ZHOU, Di	.
TR	32.800	Management level procedures and interaction with UTRAN	5.0.0	Rel-5	S5	BODEN, Bert	.
TR	32.802	Telecommunication management; User Equipment (UE) management feasibility study	1.0.4	Rel-5	S5	MUDGE, John	.
TS	33.102	3G security; Security architecture	none	Rel-5	S3	BLOMMAERT, Marc	.

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TS	33.106	Lawful interception requirements	5.0.0	Rel-5	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	5.2.0	Rel-5	S3	WILHELM, Berthold	.
TS	33.108	3G security; Handover interface for Lawful Interception	1.0.0	Rel-5	S3	WILHELM, Berthold	.
TS	33.200	Network Domain Security - MAP	5.0.0	Rel-5	S3	ESCOTT, Adrian	.
TS	33.201	Access domain security	none	Rel-5	S3	POPE, Maurice	.
TS	33.203	3G security; Access security for IP-based services	5.1.0	Rel-5	S3	BOMAN, Krister	
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	5.0.0	Rel-5	S3	KOIEN, Geir	
TR	33.800	Principles for Network Domain Security	none	Rel-5	S3	ESCOTT, Adrian	.
TR	33.900	Guide to 3G security	0.4.1	Rel-5	S3	BROOKSON, Charles	.
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	.
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	.
TS	34.109	Terminal logical test interface; Special conformance testing functions	5.0.0	Rel-5	R2	BERGGREN, Anders	.
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	none	Rel-5	R4	SOERENSEN, Ole	.
TR	34.926	Table of international EMC requirements	5.0.0	Rel-5	R4	FENN, John B	.
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	none	Rel-5	S3	WALKER, Michael	.
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	none	Rel-5	S3	WALKER, Michael	.
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	none	Rel-5	S3	WALKER, Michael	.
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	none	Rel-5	S3	WALKER, Michael	.
TR	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	none	Rel-5	S3	WALKER, Michael	.
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	none	Rel-5	S3	WALKER, Michael	.
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	none	Rel-5	S3	WALKER, Michael	.
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	none	Rel-5	S3	WALKER, Michael	.
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	none	Rel-5	S3	WALKER, Michael	.
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	none	Rel-5	S3	WRIGHT, Tim	.
TR	41.033	Lawful Interception requirements for GSM	none	Rel-5	S3	MCKIBBEN, Bernie	.

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TS	41.103	GSM Release 5 specifications	1.2.0	Rel-5	SP	MEREDITH, John M	.
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	5.0.0	Rel-5	T3	DIETRICH, Christian	.
TS	42.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	none	Rel-5	S3	WRIGHT, Tim	.
TS	42.032	Immediate Service Termination (IST); Service description; Stage 1	none	Rel-5	S3	WRIGHT, Tim	.
TS	42.033	Lawful Interception; Stage 1	none	Rel-5	S3	MCKIBBEN, Bernie	.
TR	43.005	Technical performance objectives	none	Rel-5	NP	BOSWARTHICK, David	.
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	5.0.0	Rel-5	N3	BOSWARTHICK, David	.
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	5.2.0	Rel-5	T3	DIETRICH, Christian	.
TS	43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	none	Rel-5	S3	WRIGHT, Tim	.
TS	43.033	Lawful Interception; Stage 2	none	Rel-5	S3	MCKIBBEN, Bernie	.
TS	43.035	Immediate Service Termination (IST); Stage 2	none	Rel-5	S3	WRIGHT, Tim	.
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	5.0.0	Rel-5	N3	BOSWARTHICK, David	.
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	5.0.0	Rel-5	S4	USAI, Paolino	
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	5.5.0	Rel-5	G1	SÉBIRE, Guillaume	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	5.2.0	Rel-5	G1	LIVINGSTON, Margaret	.
TS	43.068	Voice Group Call Service (VGCS); Stage 2	none	Rel-5	N1	GARAPATY, Sonia	.
TS	43.069	Voice Broadcast service (VBS); Stage 2	none	Rel-5	N1	GARAPATY, Sonia	.
TR	43.900	Support for voice optimization for the IMS in the GERAN	none	Rel-5	G2	GUARINO, Bernard	.
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	none	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TS	44.004	Layer 1 - General Requirements	5.1.0	Rel-5	G2	ISAACS, Ken	.
TS	44.013	Performance Requirements on Mobile Radio Interface	none	Rel-5	N1	PUDNEY, Chris	.
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	5.4.0	Rel-5	G2	HOWELL, Andrew	.
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	5.0.0	Rel-5	N3	RÄSÄNEN, Juha	.
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	5.2.0	Rel-5	G2	GARAPATY, Sonia	.
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	none	Rel-5	N1	HUPPERICH, Peter	.
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	none	Rel-5	N1	HUPPERICH, Peter	.
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	5.0.0	Rel-5	G2	BLACK, Jyoti	.
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	5.1.0	Rel-5	N1	SALKINTZIS, Apostolis	.

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TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	none	Rel-5	N1	SALKINTZIS, Apostolis	.
TS	44.068	Group Call Control (GCC) Protocol	none	Rel-5	N1	GARAPATY, Sonia	.
TS	44.069	Broadcast Call Control (BCC) protocol	none	Rel-5	N1	GARAPATY, Sonia	.
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol Iu mode	1.3.0	Rel-5	G2	VIRTEJ, IULIANA	.
TR	44.901	External network assisted cell change (NACC)	5.0.0	Rel-5	G2	BACKLUND, Ingemar	.
TS	45.001	Physical Layer on the Radio Path (General Description)	5.2.0	Rel-5	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and Multiple Access on the Radio Path	5.4.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	5.4.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	5.0.0	Rel-5	G1	SÉBIRE, Benoist	.
TS	45.005	Radio transmission and reception	5.2.0	Rel-5	G1	SAMUELSSON, Mats	.
TS	45.008	Radio subsystem link control	5.5.0	Rel-5	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	5.3.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	5.4.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	5.2.0	Rel-5	G2	BLACK, Jyoti	.
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	5.0.0	Rel-5	N3	RÄSÄNEN, Juha	.
TS	48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	5.4.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TR	49.001	General network interworking scenarios	none	Rel-5	N4	VACANT,	.
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	none	Rel-5	N1	JUKIC, Zdravko	.
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	5.2.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TR	50.099	GERAN project plan and open issues	0.1.6	Rel-5	GP	MUELLER, Frank	GP-08: Assume planning is for Rel-5 now (since Rel-4 is frozen).
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	5.0.0	Rel-5	T3	GUTHERY, Scott B.	.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	none	Rel-5	S5	TOCHE, Christian	.

D.5 3GPP Specifications and reports Allocated to Release 6 (TBC)

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	21.104	3rd Generation mobile system Release 6 specifications	none	Rel-6	SP	MEREDITH, John M	.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	none	Rel-6	S1	SWETINA, Joerg	SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".
TS	22.141	Presence service; Stage 1	none	Rel-6	S1	WOHLERT, Randolph	SP-15: Rel-6 record created due to approval of work item "Presence service enhancements".
TS	22.174	Push service; Stage 1	0.6.0	Rel-6	S1	WOLAK, Stephen	SP-15: Timed out of Rel-5.
TS	22.240	3GPP Generic User Profile (GUP) requirements; Stage 1	none	Rel-6	S1	AMERY, Paul	.
TS	22.242	Digital Rights Management (DRM); Stage 1	1.0.0	Rel-6	S1	WOOD, Nicholas	.
TS	22.243	Distributed speech recognition based automated voice services	1.2.0	Rel-6	S1	WILLIAMS, David Hugh	Delayed from Rel-5.
TR	22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	1.0.0	Rel-6	S1	PAINT, Frédéric	.
TR	22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	0.0.0	Rel-6	S1	KALLIOKULJU, Juha	.
TR	22.950	Priority service feasibility study	1.0.0	Rel-6	S1	GARRAHAN, James	.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	none	Rel-6	S2	GOURRAUD, Christophe	SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	none	Rel-6	S2	TOWLE, Thomas	.
TS	23.241	3GPP Generic User Profile (GUP) requirements; Stage 2; Data description framework	none	Rel-6	T2	LOCKHART, Rob	RP-15: Delayed from Rel-5.
TS	23.241	3GPP Generic User Profile (GUP) requirements; Stage 2; Data description framework	none	Rel-6	T2	LOCKHART, Rob	RP-15: Delayed from Rel-5.
TR	25.887	Beamforming	none	Rel-6	R1	KAHTAVA, Jussi	.
TR	25.889	Viable deployment of UTRA in additional and diverse spectrum arrangements; Feasibility study	none	Rel-6	R4	STAHLFJALL, Peter	.
TS	29.163	Interworking between the IM CN subsystem and CS networks	none	Rel-6	N3	SANDERS, David	
TS	31.114	USAT interpreter protocol and administration	none	Rel-6	T3	MEYER, Michael	TP-15: Enhancements to Rel-5 envisaged.
TS	31.115	Secured packet structure for (U)SIM Toolkit applications	none	Rel-6	T3	VIALLET, Sophie	SP-15: Creation justified by SP-020172 slide 13.
TS	31.116	Remote APDU Structure for (U)SIM Toolkit applications	none	Rel-6	T3	VIALLET, Sophie	SP-15: Creation justified by SP-020172 slide 13.
TS	32.108	Telecommunication management; Subscriber and equipment trace	none	Rel-6	S5	RONKA, Kari	SP-05: Left overs from Rel-5.
TS	32.140	Services operations management; Subscription management requirements	1.0.0	Rel-6	S5	CARYER, Geoffrey	SP-15: moved from Rel-5.
TS	32.140	Services operations management; Subscription management requirements	1.0.0	Rel-6	S5	CARYER, Geoffrey	SP-15: moved from Rel-5.
TS	32.323	Telecommunication management; Test management IRP; Corba solution set	none	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.663	Telecommunication management; 3G configuration management; Kernel CM CORBA solution set	none	Rel-6	S5	WILBER, John	.
TS	32.663	Telecommunication management; 3G configuration management; Kernel CM CORBA solution set	none	Rel-6	S5	WILBER, John	.
TS	32.664	Telecommunication management; 3G configuration management; Kernel CM CMIP solution set	none	Rel-6	S5	WILBER, John	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	32.664	Telecommunication management; 3G configuration management; Kernel CM CMIP solution set	none	Rel-6	S5	WILBER, John	.
TS	41.104	GSM Release 6 specifications	none	Rel-6	SP	MEREDITH, John M	.
TR	43.930	Iur-g interface; Stage 2	none	Rel-6	G2	CARRIZO MARTÍNEZ, José Luis	.

Annex E: List of Change Requests and their status after TSG SA Meeting #15

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020046	21.905	030		5.2.0	Rel-5	new definition of the term 'service'	approved	B	5.3.0	Vocabulary for 3GPP Specifications
SP-020063	21.905	031		5.2.0	Rel-5	Introduction of new abbreviations derived of the approval of 3GPP TS 23.236	approved	B	5.3.0	Vocabulary for 3GPP Specifications
SP-020046	21.905	032		5.2.0	Rel-5	Introduction of the definitions of "pre-pay" and "post-pay" billing	approved	B	5.3.0	Vocabulary for 3GPP Specifications
SP-020046	21.905	033		5.2.0	Rel-5	Replacement of the term UMTS with 3GPP system	approved	F	5.3.0	Vocabulary for 3GPP Specifications
SP-020046	21.905	034		5.2.0	Rel-5	missing abbreviations	approved	B	5.3.0	Vocabulary for 3GPP Specifications
SP-020046	21.905	035		5.2.0	Rel-5	new definition of the term 'application'	approved	B	5.3.0	Vocabulary for 3GPP Specifications
SP-020046	21.905	036		5.2.0	Rel-5	definitions of online and offline charging	approved	B	5.3.0	Vocabulary for 3GPP Specifications
SP-020046	21.905	037		5.2.0	Rel-5	Improved definition of the term "application"	approved	B	5.3.0	Vocabulary for 3GPP Specifications
SP-020045	22.001	007	-	4.2.0	Rel-4	correct terms and references	approved	F	4.3.0	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)
SP-020045	22.003	009	-	4.2.0	Rel-4	correct terms and references	approved	F	4.3.0	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)
SP-020045	22.003	010	-	5.0.0	Rel-5	correct terms and references	approved	A	5.1.0	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)
SP-020121	22.003	011		5.0.0	Rel-5	Support of legacy trancievers in GERAN	revised	C		Circuit Teleservices supported by a Public Land Mobile Network (PLMN)
SP-020164	22.003	011	1	5.0.0	Rel-5	Support of legacy trancievers in GERAN	approved	C	5.1.0	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)
SP-020045	22.004	005	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	General on Supplementary Services
SP-020042	22.011	044		3.6.0	R99	clarification of the term 'country'	revised	F		Service accessibility
SP-020158	22.011	044	1	3.6.0	R99	CR to 22.011 R99: clarification of the term 'country'	approved	F	3.7.0	Service accessibility
SP-020042	22.011	045		4.5.0	Rel-4	clarification of the term 'country'	revised	A		Service accessibility
SP-020158	22.011	045	1	4.5.0	Rel-4	CR to 22.011 Rel-4: clarification of the term 'country'	approved	A	4.6.0	Service accessibility
SP-020045	22.016	006	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	International Mobile Equipment Identities (IMEI)
SP-020045	22.030	010	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Man-Machine Interface (MMI) of the User Equipment (UE)
SP-020045	22.042	003	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Network Identity and Time Zone (NITZ) service description; Stage 1
SP-020045	22.057	008	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Mobile Execution Environment (MExE) service description; Stage 1
SP-020045	22.057	009	-	5.2.0	Rel-5	correct terms and references	approved	A	5.3.0	Mobile Execution Environment (MExE) service description; Stage 1
SP-020045	22.060	022		5.0.0	Rel-5	change of references	approved	F	5.1.0	General Packet Radio Service (GPRS); Service description; Stage 1
SP-020067	22.060	023		4.2.0	Rel-4	correct terms and references	approved	F	4.3.0	General Packet Radio Service (GPRS); Service description; Stage 1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020045	22.067	003	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1
SP-020047	22.071	030		5.0.0	Rel-5	Requestor	approved	B	5.1.0	Location Services (LCS); Stage 1
SP-020047	22.071	031		5.0.0	Rel-5	Introducing service type privacy for location services	approved	B	5.1.0	Location Services (LCS); Stage 1
SP-020047	22.071	032		5.0.0	Rel-5	Introduction of a Codeword Setting	approved	C	5.1.0	Location Services (LCS); Stage 1
SP-020047	22.071	033		5.0.0	Rel-5	Clarifying checking of requester ID	approved	B	5.1.0	Location Services (LCS); Stage 1
SP-020043	22.071	034		3.3.0	R99	Closure of a loophole in the privacy settings	approved	F	3.4.0	Location Services (LCS); Stage 1
SP-020043	22.071	035		4.3.0	Rel-4	Closure of a loophole in the privacy settings	approved	A	4.4.0	Location Services (LCS); Stage 1
SP-020043	22.071	036		5.0.0	Rel-5	Closure of a loophole in the privacy settings	approved	A	5.1.0	Location Services (LCS); Stage 1
SP-020047	22.071	037		5.0.0	Rel-5	Deferred Location Request with Change of Area Event	approved	B	5.1.0	Location Services (LCS); Stage 1
SP-020045	22.071	038	-	4.3.0	Rel-4	correct terms and references	approved	F	4.4.0	Location Services (LCS); Stage 1
SP-020045	22.071	039	-	5.0.0	Rel-5	correct terms and references	approved	A	5.1.0	Location Services (LCS); Stage 1
SP-020048	22.078	134	1	5.5.0	Rel-5	Removal of CAMEL4 Dialled Services enhancements	approved	B	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020048	22.078	135		5.5.0	Rel-5	Liaison Statement on Mobility Management event reporting in the PS domain	approved	C	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020044	22.078	136		3.8.0	R99	removal of handling of e-parameters provided by the SCP	approved	F	3.9.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020044	22.078	137		4.4.0	Rel-4	removal of handling of e-parameters provided by the SCP	approved	A	4.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020044	22.078	138		5.5.0	Rel-5	removal of handling of e-parameters provided by the SCP	approved	A	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020048	22.078	139		5.5.0	Rel-5	Transferring the MS classmark & IMEI to the CSE (update of 301)	approved	C	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020048	22.078	140		5.5.0	Rel-5	Clarification on Releasing Individual Call Parties	approved	C	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020048	22.078	141		5.5.0	Rel-5	Introduction of functional subsets for CAMEL Phase 4	approved	B	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020045	22.078	142	-	4.4.0	Rel-4	correct terms and references	approved	F	4.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020045	22.078	143	-	5.5.0	Rel-5	correct terms and references	approved	A	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020045	22.081	004	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Line Identification supplementary services; Stage 1
SP-020045	22.082	004	-	4.1.0	Rel-4	correct terms and references	approved	F	4.2.0	Call Forwarding (CF) Supplementary Services; Stage 1
SP-020045	22.083	003	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1
SP-020045	22.084	002	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	MultiParty (MPTY) supplementary service; Stage 1
SP-020045	22.085	003	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Closed User Group (CUG) supplementary services; Stage 1
SP-020045	22.088	002	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Call Barring (CB) supplementary services; Stage 1
SP-020045	22.094	002	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Follow Me service description - Stage 1
SP-020045	22.097	004	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1
SP-020052	22.101	087		5.4.0	Rel-5	Service change and fallback for UDI/RDI multimedia calls	approved	B	5.5.0	Service aspects; Service principles
SP-020049	22.101	088		5.4.0	Rel-5	IMS access	approved	C	5.5.0	Service aspects; Service principles
SP-020051	22.101	089		5.4.0	Rel-5	USIM support in Rel-5 GSM only terminals	approved	C	5.5.0	Service aspects; Service principles
SP-020050	22.101	090		5.4.0	Rel-5	Access to IMS services using ISIM	approved	C	5.5.0	Service aspects; Service principles

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SP-020045	22.101	091	-	4.5.0	Rel-4	correct terms and references	approved	F	4.6.0	Service aspects; Service principles
SP-020045	22.101	092	-	5.4.0	Rel-5	correct terms and references	approved	A	5.5.0	Service aspects; Service principles
SP-020126	22.101	093	-	5.4.0	Rel-5	Correction of references to obsolete SIP RFC 2543 IETF specification	approved	F	5.5.0	Service aspects; Service principles
SP-020063	22.105	033		5.0.0	Rel-5	End-user performance expectations-Streaming Services	approved	F	5.1.0	Services & service capabilities
SP-020045	22.105	034	-	4.2.0	Rel-4	correct terms and references	approved	F	4.3.0	Services & service capabilities
SP-020045	22.105	035	-	5.0.0	Rel-5	correct terms and references	approved	A	5.1.0	Services & service capabilities
SP-020053	22.115	007		5.1.0	Rel-5	Charging and billing	approved	B	5.2.0	Service Aspects Charging and billing
SP-020045	22.121	023	-	5.2.0	Rel-5	correct terms and references	approved	F	5.3.0	Service aspects; The Virtual Home Environment; Stage 1
SP-020054	22.127	034		5.2.0	Rel-5	Editorial Corrections	approved	D	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020054	22.127	035		5.2.0	Rel-5	OSA use cases	approved	B	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020054	22.127	036		5.2.0	Rel-5	CR on Network Capability Retrieval	approved	C	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020054	22.127	037		5.2.0	Rel-5	Clarification of OSA functions related to user´s status	approved	F	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020054	22.127	038		5.2.0	Rel-5	Correction of Service Capability Feature to SC Server	approved	F	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020054	22.127	039		5.2.0	Rel-5	Charging Requirements	approved	C	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020054	22.127	040		5.2.0	Rel-5	Security requirements on User Profile Management	approved	F	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020054	22.127	041		5.2.0	Rel-5	Charging Requirements	approved	C	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020045	22.127	042	-	4.3.0	Rel-4	correct terms and references	approved	F	4.4.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020045	22.127	043	-	5.2.0	Rel-5	correct terms and references	approved	A	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020045	22.135	009		4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Multicall; Service description; Stage 1
SP-020055	22.140	010		5.0.0	Rel-5	Support of "Recipient Party pays" charging model in MMS	revised	B		Service aspects; Stage 1; Multimedia Messaging Service
SP-020193	22.140	010	1	5.0.0	Rel-5	Support of charging models in MMS.	approved	B	5.1.0	Service aspects; Stage 1; Multimedia Messaging Service
SP-020055	22.140	011		5.0.0	Rel-5	addressing	approved	B	5.1.0	Service aspects; Stage 1; Multimedia Messaging Service
SP-020045	22.140	011	-	4.1.0	Rel-4	correct terms and references	approved	F	4.2.0	Service aspects; Stage 1; Multimedia Messaging Service
SP-020045	22.140	012	-	5.0.0	Rel-5	correct terms and references	approved	A	5.1.0	Service aspects; Stage 1; Multimedia Messaging Service
SP-020055	22.140	013		5.0.0	Rel-5	MMS Configuration	approved	B	5.1.0	Service aspects; Stage 1; Multimedia Messaging Service
SP-020045	22.140	014		5.0.0	Rel-5	Update of references and general requirements	approved	D	5.1.0	Service aspects; Stage 1; Multimedia Messaging Service
SP-020195	22.140	015	-	5.0.0	Rel-5	Automatic bearer selection for MMS delivery and submission	approved	B	5.1.0	Service aspects; Stage 1; Multimedia Messaging Service
SP-020056	22.141	009		5.1.0	Rel-5	A brief introduction to the Presence Service	approved	D	5.2.0	Presence service; Stage 1
SP-020056	22.141	010		5.1.0	Rel-5	Correction to the number of roles in the Presence Service	approved	D	5.2.0	Presence service; Stage 1
SP-020056	22.141	011		5.1.0	Rel-5	Selective Notifications	approved	C	5.2.0	Presence service; Stage 1
SP-020056	22.141	012		5.1.0	Rel-5	Clarifications on identifier's hiding	approved	F	5.2.0	Presence service; Stage 1
SP-020056	22.141	013		5.1.0	Rel-5	Multiple terminal support in presence service	approved	C	5.2.0	Presence service; Stage 1
SP-020056	22.141	014		5.1.0	Rel-5	Access from external applications	approved	C	5.2.0	Presence service; Stage 1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020057	22.146	024		5.1.0	Rel-5	Area Specific QoS for Broadcast and Multicast Services	approved	F	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020057	22.146	025		5.1.0	Rel-5	Multicast mode	approved	F	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020057	22.146	026		5.1.0	Rel-5	Addition of MBMS multicast mode and broadcast mode definitions	approved	F	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020057	22.146	027		5.1.0	Rel-5	MBMS Broadcast and Multicast Sessions	approved	B	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020057	22.146	028		5.1.0	Rel-5	Power consumption minimisation for MBMS	approved	B	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020057	22.146	029		5.1.0	Rel-5	Editorial Change	approved	F	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020045	22.146	030	-	5.1.0	Rel-5	correct terms and references	approved	F	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020045	22.226	002	-	5.1.0	Rel-5	correct terms and references	approved	F	5.2.0	Global text telephony; Stage 1: Service description
SP-020058	22.228	010		5.4.0	Rel-5	IMS Addressing	approved	B	5.5.0	Service requirements for the IP multimedia core network subsystem; Stage 1
SP-020058	22.228	011		5.4.0	Rel-5	ISIM	approved	B	5.5.0	Service requirements for the IP multimedia core network subsystem; Stage 1
SP-020045	22.228	012	-	5.4.0	Rel-5	correct terms and references	approved	F	5.5.0	Service requirements for the IP multimedia core network subsystem; Stage 1
SP-020126	22.228	013	-	5.4.0	Rel-5	Correction of references to obsolete SIP RFC 2543 IETF specification	approved	F	5.5.0	Service requirements for the IP multimedia core network subsystem; Stage 1

E.2   CRs from SA WG2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020138	03.71	A039		7.8.0	R98	Removal of NA-ESRK from MT-LR request for North American Emergency call	approved	F	7.9.0	Location Services (LCS); Functional description; Stage 2
SP-020138	03.71	A040		8.4.0	R99	Removal of NA-ESRK from MT-LR request for North American Emergency call	approved	A	8.5.0	Location Services (LCS); Functional description; Stage 2
SP-020130	23.002	077	2	5.5.0	Rel-5	Editorial correction to References	revised	D		Network Architecture
SP-020165	23.002	077	3	5.5.0	Rel-5	Editorial correction to References	approved	D	5.6.0	Network Architecture
SP-020130	23.002	078	1	5.5.0	Rel-5	Introduction of an IMS bearer reference point	revised	F		Network Architecture
SP-020165	23.002	078	2	5.5.0	Rel-5	Introduction of an IMS bearer reference point	approved	F	5.6.0	Network Architecture
SP-020165	23.002	085		5.5.0	Rel-5	Corrections to the Radio Network System (node B) definitions	approved	F	5.6.0	Network Architecture
SP-020130	23.002	085		5.5.0	Rel-5	Corrections to the Radio Network System (node B) definitions	revised	F		Network Architecture
SP-020130	23.002	087		5.5.0	Rel-5	Nb and Nc reference points - editorial corrections	revised	D		Network Architecture
SP-020165	23.002	087		5.5.0	Rel-5	Nb and Nc reference points - editorial corrections	approved	D	5.6.0	Network Architecture
SP-020130	23.002	089		5.5.0	Rel-5	Correction to Reference Architecture Figure	revised	F		Network Architecture
SP-020165	23.002	090		5.5.0	Rel-5	Deletion of Reference Point towards SCP	approved	F	5.6.0	Network Architecture
SP-020130	23.002	090		5.5.0	Rel-5	Deletion of Reference Point towards SCP	revised	F		Network Architecture
SP-020165	23.002	091	1	5.5.0	Rel-5	BGCF: Alignment to 23.228	approved	F	5.6.0	Network Architecture
SP-020130	23.002	091	1	5.5.0	Rel-5	BGCF: Alignment to 23.228	revised	F		Network Architecture
SP-020165	23.002	123	2	5.5.0	Rel-5	Application Server Definition	approved	F	5.6.0	Network Architecture
SP-020130	23.002	123	2	5.5.0	Rel-5	Application Server Definition	revised	F		Network Architecture
SP-020130	23.002	93		5.5.0	Rel-5	Removal of the Sr Reference point	revised	F		Network Architecture
SP-020165	23.002	93		5.5.0	Rel-5	Removal of the Sr Reference point	approved	F	5.6.0	Network Architecture
SP-020131	23.060	286	4	5.0.0	Rel-5	Allocation of unique prefixes to IPv6 terminals	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	287	4	5.0.0	Rel-5	General changes for GERAN Iu mode	approved	B	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	299		4.3.0	Rel-4	CAMEL trigger point C1 for the SRNS relocation procedure (mirror of previous)	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	300		3.10.0	R99	CAMEL trigger point C1 for the SRNS relocation procedure	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	301		4.3.0	Rel-4	Behaviour of the MS on entering a new PLMN	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	302	1	3.10.0	R99	Restoration of R'96 Any Time Interrogation functionality	rejected	F		General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	303		5.0.0	Rel-5	CAMEL trigger point C1 for the SRNS relocation procedure (mirror of previous)	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	304		5.0.0	Rel-5	Behaviour of the MS on entering a new PLMN	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	305	2	3.10.0	R99	Allocation of unique prefixes to IPv6 terminals	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2

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SP-020131	23.060	306	2	4.3.0	Rel-4	Allocation of unique prefixes to IPv6 terminals	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	308	1	5.0.0	Rel-5	IMS Enhancements (PCO in Secondary PDP context)	approved	F	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	310	1	5.0.0	Rel-5	Dual-stack IPv4/IPv6 GSNs	approved	C	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	311	1	3.10.0	R99	Correction of CAMEL procedure calls at SRNS relocation	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	312		4.3.0	Rel-4	Correction of CAMEL procedure calls at SRNS relocation	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	313		5.0.0	Rel-5	Correction of CAMEL procedure calls at SRNS relocation	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	314		3.10.0	R99	CAMEL procedure call irrespective of GPRS-CSI/SMS-CSI	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	315	1	4.3.0	Rel-4	CAMEL procedure call irrespective of GPRS-CSI/SMS-CSI	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	316		5.0.0	Rel-5	CAMEL procedure call irrespective of GPRS-CSI/SMS-CSI	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	317		5.0.0	Rel-5	Introduction of CAMEL control of MT-SMS	approved	B	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	318	1	4.3.0	Rel-4	Restoration of R'96 Any Time Interrogation functionality	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	319	1	5.0.0	Rel-5	Restoration of R'96 Any Time Interrogation functionality	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	320	1	5.0.0	Rel-5	PDP context handling at Inter SGSN RA Update	approved	F	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	321		5.0.0	Rel-5	Correction of arbitrary editorial changes	approved	D	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	322	1	5.0.0	Rel-5	IMS related adaptations	approved	F	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	323		3.10.0	R99	No encrypted IMSI for identity check	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	324		4.3.0	Rel-4	No encrypted IMSI for identity check	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	325		5.0.0	Rel-5	No encrypted IMSI for identity check	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	326		3.10.0	R99	Parameter correction in GSM to UMTS inter system RA update	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	327		4.3.0	Rel-4	Parameter correction in GSM to UMTS inter system RA update	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	328		5.0.0	Rel-5	Parameter correction in GSM to UMTS inter system RA update	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	329	2	3.10.0	R99	Clarification to the interactions Between GTP v0 and GTP v1	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	330	2	4.3.0	Rel-4	Clarification to the interactions Between GTP v0 and GTP v1	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	331	2	5.0.0	Rel-5	Clarification to the interactions Between GTP v0 and GTP v1	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2

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SP-020131	23.060	333	1	3.10.0	R99	Clarification on the significance of packet flow contexts	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	334	1	4.3.0	Rel-4	Clarification on the significance of packet flow contexts	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	335	1	5.0.0	Rel-5	Clarification on the significance of packet flow contexts	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	336		4.3.0	Rel-4	Corrections on Clarification of handling of real-time PDP contexts due to incorrect implementation of CR 250	approved	F	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020131	23.060	337		5.0.0	Rel-5	Corrections on Clarification of handling of real-time PDP contexts due to incorrect implementation of CR 250	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020132	23.107	083		3.7.0	R99	Clarification of the QoS mapping on the MS	approved	F	3.8.0	Quality of Service (QoS) concept and architecture
SP-020132	23.107	084		4.3.0	Rel-4	Clarification of the QoS mapping on the MS	approved	A	4.4.0	Quality of Service (QoS) concept and architecture
SP-020132	23.107	085		5.3.0	Rel-5	Clarification of the QoS mapping on the MS	approved	A	5.4.0	Quality of Service (QoS) concept and architecture
SP-020132	23.107	086	3	3.7.0	R99	Determining the highest QoS	approved	F	3.8.0	Quality of Service (QoS) concept and architecture
SP-020132	23.107	087	3	4.3.0	Rel-4	Determining the highest QoS	approved	A	4.4.0	Quality of Service (QoS) concept and architecture
SP-020132	23.107	088	3	5.3.0	Rel-5	Determining the highest QoS	approved	A	5.4.0	Quality of Service (QoS) concept and architecture
SP-020132	23.107	093	1	3.7.0	R99	Corrections on attribute values	approved	F	3.8.0	Quality of Service (QoS) concept and architecture
SP-020132	23.107	096		3.7.0	R99	QoS mapping rule for the R99 delivery order attribute	approved	F	3.8.0	Quality of Service (QoS) concept and architecture
SP-020132	23.107	097		4.3.0	Rel-4	QoS mapping rule for the R99 delivery order attribute	approved	A	4.4.0	Quality of Service (QoS) concept and architecture
SP-020132	23.107	098		5.3.0	Rel-5	QoS mapping rule for the R99 delivery order attribute	approved	A	5.4.0	Quality of Service (QoS) concept and architecture
SP-020132	23.107	099		4.3.0	Rel-4	Corrections on attribute values	approved	F	4.4.0	Quality of Service (QoS) concept and architecture
SP-020132	23.107	100	1	5.3.0	Rel-5	Corrections on attribute values	approved	F	5.4.0	Quality of Service (QoS) concept and architecture
SP-020133	23.127	029		4.2.0	Rel-4	OSA Mobility SCF	approved	F	4.3.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2
SP-020133	23.127	030		4.2.0	Rel-4	OSA Charging and Account Management SCFs	approved	F	4.3.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2
SP-020133	23.127	031	1	4.2.0	Rel-4	OSA Internal API, Integrity Management	approved	F	4.3.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2
SP-020133	23.127	032		5.0.0	Rel-5	OSA Internal API, Integrity Management	approved	A	5.1.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2
SP-020133	23.127	034	1	5.0.0	Rel-5	Refinement of OSA Mobility SCF	approved	C	5.1.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2
SP-020133	23.127	035	1	5.0.0	Rel-5	Correction in Mobility SCF definition	approved	C	5.1.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2
SP-020133	23.127	037	1	5.0.0	Rel-5	Mapping of OSA API-s to Presence	approved	C	5.1.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2
SP-020138	23.171	023	1	3.6.0	R99	Correction of information flows LCS client - GMLC	approved	F	3.7.0	Functional stage 2 description of location services in UMTS
SP-020138	23.171	024		3.6.0	R99	Removal of NA-ESRK from MT-LR request for North American Emergency call	approved	A	3.7.0	Functional stage 2 description of location services in UMTS
SP-020134	23.207	014	1	5.2.0	Rel-5	Removal of packet handling action from PCF decision	approved	F	5.3.0	End to end quality of service concept and architecture
SP-020134	23.207	017	1	5.2.0	Rel-5	Authorization of QoS Resources	approved	F	5.3.0	End to end quality of service concept and architecture
SP-020134	23.207	019		5.2.0	Rel-5	Number of media components per PDP Context	approved	B	5.3.0	End to end quality of service concept and architecture
SP-020134	23.207	020		5.2.0	Rel-5	Incorrect Place of the RAB Procedures in Section 6.3.2	approved	F	5.3.0	End to end quality of service concept and architecture
SP-020134	23.207	021	1	5.2.0	Rel-5	Editorial Corrections of QoS Interaction Procedures Flows	approved	D	5.3.0	End to end quality of service concept and architecture
SP-020134	23.207	022	1	5.2.0	Rel-5	Corrections of the Indication of PDP Context Release Procedure	approved	F	5.3.0	End to end quality of service concept and architecture

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SP-020134	23.207	023	1	5.2.0	Rel-5	Corrections in 6.3 Session Flow: QoS Interaction Procedures	approved	F	5.3.0	End to end quality of service concept and architecture
SP-020135	23.221	026	1	5.3.0	Rel-5	Renaming of R-SGW	approved	F	5.4.0	Architectural requirements
SP-020135	23.221	027	1	5.3.0	Rel-5	Allocation of unique prefixes to IPv6 terminals	approved	F	5.4.0	Architectural requirements
SP-020135	23.221	028		5.3.0	Rel-5	Compression use for SIP Signalling	approved	C	5.4.0	Architectural requirements
SP-020136	23.228	086		5.3.0	Rel-5	IMS Session Procedure Errors	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	115		5.3.0	Rel-5	Introduction of an IMS bearer reference point	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	120	2	5.3.0	Rel-5	Clarifications to text on handling of the PDP contexts in case of Iu release or RAB release	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	121	1	5.3.0	Rel-5	Corrections to codec negotiation	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	122	1	5.3.0	Rel-5	Interaction between QoS and session signalling	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	127	2	5.3.0	Rel-5	Requirement to register Public Id before usage	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	129	1	5.3.0	Rel-5	Corrections to List of Symbols	approved	D	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	130	1	5.3.0	Rel-5	Authorization of QoS Resources	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	131	1	5.3.0	Rel-5	S-CSCF change	approved	B	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	133		5.3.0	Rel-5	P-CSCF discovery	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	134	2	5.3.0	Rel-5	Number of media components per PDP Context	approved	B	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	135	1	5.3.0	Rel-5	Registration Parameter Corrections	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	136	1	5.3.0	Rel-5	Removal of Editor's Notes	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	137	1	5.3.0	Rel-5	Clarification on Sh interface definition	approved	C	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	138		5.3.0	Rel-5	Extend support of information transfer between SIP end points	approved	C	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	139	1	5.3.0	Rel-5	Clean-up of MT Unregistered procedures	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	141	2	5.3.0	Rel-5	IP privacy requires re-registration	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	144		5.3.0	Rel-5	Corrections for Section 5.4.7 Interaction between QoS and session signalling	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	147		5.3.0	Rel-5	Corrections on P-CSCF initiated session release after loss of radio coverage	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	148	1	5.3.0	Rel-5	Use of R99 USIM for IMS	rejected	C		IP Multimedia Subsystem (IMS); Stage 2
SP-020189	23.228	148	2	5.3.0	Rel-5	Use of R'99 USIM for IMS, and, introduction of the ISIM application on UICC	withdrawn	C		IP Multimedia Subsystem (IMS); Stage 2
SP-020189	23.228	148	3	5.3.0	Rel-5	Introduction of the ISIM application on UICC	approved	C	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	149	1	5.3.0	Rel-5	Provision of 'VPLMN provided services' in IMS	approved	C	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	150		5.3.0	Rel-5	Corrections to P-CSCF's functions	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020136	23.228	151		5.3.0	Rel-5	Removal of Sr Interface for R5	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020137	23.236	011	1	5.1.0	Rel-5	Selection of MSC/VLR node based on IDNSS derived from IMSI	approved	B	5.2.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes
SP-020138	23.271	056		4.4.0	Rel-4	Supported LCS capabilities set	approved	F	4.5.0	Functional stage 2 description of location services
SP-020138	23.271	057		5.1.0	Rel-5	Supported LCS capabilities set	approved	A	5.2.0	Functional stage 2 description of location services
SP-020138	23.271	058	2	4.4.0	Rel-4	Clarification of OSA support for LCS in TS 23.271	approved	F	4.5.0	Functional stage 2 description of location services
SP-020138	23.271	058	3	4.4.0	Rel-4	Clarification of OSA support for LCS in TS 23.271	approved	F	4.5.0	Functional stage 2 description of location services
SP-020138	23.271	059	2	5.1.0	Rel-5	Clarification of OSA support for LCS in TS 23.271	approved	A	5.2.0	Functional stage 2 description of location services
SP-020138	23.271	059	3	5.1.0	Rel-5	Clarification of OSA support for LCS in TS 23.271	approved	A	5.2.0	Functional stage 2 description of location services
SP-020138	23.271	061	1	5.1.0	Rel-5	Requestor and Requestor identity	approved	C	5.2.0	Functional stage 2 description of location services
SP-020138	23.271	062	2	5.1.0	Rel-5	Combined Periodical/Deferred Mobile Terminating Location Request	approved	B	5.2.0	Functional stage 2 description of location services
SP-020138	23.271	063	3	4.4.0	Rel-4	Essential correction for session related class	approved	F	4.5.0	Functional stage 2 description of location services

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SP-020138	23.271	064	2	5.1.0	Rel-5	Essential correction for session related class	approved	A	5.2.0	Functional stage 2 description of location services
SP-020198	23.271	065	2	5.1.0	Rel-5	Adding references to the LIF MLP specification for the Le interface.	approved	B	5.2.0	Functional stage 2 description of location services
SP-020138	23.271	069	1	5.1.0	Rel-5	Handling of Service Type and codeword.	approved	B	5.2.0	Functional stage 2 description of location services
SP-020138	23.271	071	1	5.1.0	Rel-5	Handling of Privacy Override Indicator	approved	F	5.2.0	Functional stage 2 description of location services
SP-020138	23.271	072	2	5.1.0	Rel-5	Correction of information flows LCS client - GMLC	approved	F	5.2.0	Functional stage 2 description of location services
SP-020138	23.271	073	1	4.4.0	Rel-4	Correction of information flows LCS client - GMLC	approved	F	4.5.0	Functional stage 2 description of location services
SP-020159	23.271	075	4	5.1.0	Rel-5	Deferred Location Request with Change of Area Event	withdrawn	B		Functional stage 2 description of location services
SP-020138	23.271	076		4.4.0	Rel-4	Removal of NA-ESRK from MT-LR request for North American Emergency call	approved	A	4.5.0	Functional stage 2 description of location services
SP-020138	23.271	077		5.1.0	Rel-5	Removal of NA-ESRK from MT-LR request for North American Emergency call	approved	A	5.2.0	Functional stage 2 description of location services

E.3   CRs from SA WG3

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SP-020108	33.102	163		3.10.0	R99	Removal of Tr mode DCCH	approved	F	3.11.0	3G security; Security architecture
SP-020109	33.107	017		5.1.0	Rel-5	PDP context Deactivation cause	approved	B	5.2.0	3G security; Lawful interception architecture and functions
SP-020160	33.107	018		5.1.0	Rel-5	The use of H.248 in setting up a bearer intercept point at the MGW	approved	B	5.2.0	3G security; Lawful interception architecture and functions
SP-020161	33.107	019		3.4.0	R99	Inter-SGSN RA update with active PDP context	approved	F	3.5.0	3G security; Lawful interception architecture and functions
SP-020161	33.107	020		4.1.0	Rel-4	Inter-SGSN RA update with active PDP context	approved	A	4.2.0	3G security; Lawful interception architecture and functions
SP-020161	33.107	021		5.1.0	Rel-5	Inter-SGSN RA update with active PDP context	approved	A	5.2.0	3G security; Lawful interception architecture and functions
SP-020162	33.107	022		5.1.0	Rel-5	Addition of PDP context modification Event and Transferring the QoS information element across the X2 interface	approved	B	5.2.0	3G security; Lawful interception architecture and functions
SP-020114	33.200	020		4.2.0	Rel-4	NIST Special Publication 800-38A updates on MEA-1	approved	F	4.3.0	Network Domain Security - MAP
SP-020115	33.200	021		4.3.0	Rel-5	Automatic Key Management	approved	B	5.0.0	Network Domain Security - MAP
SP-020174	33.203	001	-	5.0.0	Rel-5	Correction of references to obsolete SIP RFC 2543bis IETF internet draft	approved	F	5.1.0	3G security; Access security for IP-based services
SP-020175	33.203	002	-	5.0.0	Rel-5	Removal of reference to non Operator IMS provision	approved	F	5.1.0	3G security; Access security for IP-based services
SP-020113	43.035	001		4.0.0	Rel-4	IST implementation for non-CAMEL subscribers	approved	A	4.1.0	Immediate Service Termination (IST); Stage 2

E.4 CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020076	06.74	A002	1	7.1.1	R98	Correction to DTX test vectors	approved	F	7.2.0	Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec
SP-020077	26.101	007	1	3.2.0	R99	Correction of AMR codec output bitstream	approvedapprovedapproved	F		AMR speech Codec; Frame Structure
SP-020077	26.101	008		4.1.0	Rel-4	Correction of AMR codec output bitstream	approved	A	4.2.0	AMR speech Codec; Frame Structure
SP-020078	26.103	012	1	3.1.0	R99	UMTS_AMR2 is default Codec Type in R99 dual_mode terminals	postponed	F		Codec lists
SP-020078	26.103	013	1	4.2.0	Rel-4	UMTS_AMR2 is default Codec Type in all terminals of REL-4 and onwards	postponed	F		Codec lists
SP-020078	26.103	014	1	5.0.0	Rel-5	UMTS_AMR2 is default Codec Type in all terminals of REL-4 and onwards	postponed	A		Codec lists
SP-020078	26.103	015		5.0.0	Rel-5	Introduction of GERAN-8PSK Codec Types into Codec List	approved	B	5.1.0	Codec lists
SP-020078	26.103	017		5.0.0	Rel-5	Introduction of codepoint for Dummy Codec for CS Multi Media (3G 324M)	approved	B	5.1.0	Codec lists
SP-020079	26.104	019		4.2.0	Rel-4	Maintaining bit-exactness with TS 26.073	approved	A	4.3.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec
SP-020079	26.104	020		3.3.0	R99	Maintaining bit-exactness with TS 26.073	approved	F	3.4.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec
SP-020080	26.132	009	1	3.3.0	R99	Correction of references and editorial changes (wrong decimal separators)	approved	F	3.4.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification
SP-020080	26.132	010	1	4.1.0	Rel-4	Correction of references and editorial changes (wrong decimal separators)	approved	A	4.2.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification
SP-020080	26.132	011	1	5.1.0	Rel-5	Correction of references and editorial changes (wrong decimal separators)	approved	A	5.2.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification
SP-020081	26.173	011	2	5.3.0	Rel-5	Correction of mode reading and memory usage	approved	F	5.4.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec
SP-020081	26.173	012		5.3.0	Rel-5	Correction of pitch calculation of AMR-WB encoder	approved	F	5.4.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec
SP-020081	26.173	013		5.3.0	Rel-5	Error concealment of high band gain in 23.85 kbit/s mode	approved	F	5.4.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec
SP-020082	26.174	003		5.2.0	Rel-5	Update of AMR-WB test sequences	approved	F	5.3.0	AMR speech codec, wideband; Test sequences
SP-020083	26.191	001		5.0.0	Rel-5	Error concealment of high band gain in 23.85 kbit/s mode	approved	F	5.1.0	AMR speech codec, wideband; Error concealment of lost frames
SP-020084	26.231	002		5.1.0	Rel-5	Request to remove the CTM tandeming requirement for handsets in the Minimum Performance Requirements	approved	F	5.2.0	Global text telephony; Cellular text telephone modem minimum performance requirements
SP-020085	26.233	002	1	4.1.0	Rel-4	Correction of missing use case example: PSS service activation via MMS	approved	F	4.2.0	End-to-end transparent streaming service; General description
SP-020086	26.233	003		4.1.0	Rel-5	Consolidated addition of Release 5 PSS-E features to TS 26.233 Rel-4	approved	B	5.0.0	End-to-end transparent streaming service; General description
SP-020087	26.234	011		4.2.0	Rel-4	Specification of missing limit for number of AMR Frames per Sample	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs

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SP-020087	26.234	013	2	4.2.0	Rel-4	Removing of the reference to TS 26.235	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs
SP-020087	26.234	014		4.2.0	Rel-4	Correction to the reference for the XHTML MIME media type	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs
SP-020087	26.234	015	1	4.2.0	Rel-4	Correction to MPEG-4 references	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs
SP-020087	26.234	018	1	4.2.0	Rel-4	Correction to the width field of H263SampleEntry Atom in Section D.6	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs
SP-020087	26.234	019		4.2.0	Rel-4	Correction to the definition of "b=AS"	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs
SP-020087	26.234	020		4.2.0	Rel-4	Clarification of the index number's range in the referred MP4 file format	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs
SP-020087	26.234	021		4.2.0	Rel-4	Correction of SDP attribute 'C='	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs
SP-020088	26.234	022	2	4.2.0	Rel-5	Addition of Release 5 functionality	approved	B	5.0.0	End-to-end transparent streaming service; Protocols and codecs
SP-020173	26.234	023		4.2.0	Rel4	References to "3GPP AMR-WB codec" replaced by "ITU-T Rec. G.722.2" and "RFC 3267"	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs
SP-020089	26.235	003	2	5.0.0	Rel-5	Update of AMR & AMR-WB RTP payload format	approved	F	5.1.0	Packet switched conversational multimedia applications; Default codecs
SP-020154	26.235	004	-	5.0.0	Rel-5	Correction of references to obsolete SIP RFC 2543 IETF specificaiton	approved	F	5.1.0	Packet switched conversational multimedia applications; Default codecs
SP-020090	28.062	004		4.2.0	Rel-4	Correction of OM & OD bits mapping in TFO 16k frames	approved	F	4.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020090	28.062	005	1	4.2.0	Rel-4	Inclusion of the Non_Speech TFO frames in conditions for TFO_Frame	approved	F	4.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020090	28.062	007	2	4.2.0	Rel-4	Corrections in TFO Protocol Tables	approved	F	4.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020091	28.062	009		4.2.0	Rel-5	Modification of TFO_Messages for AMR-WB introduction	approved	B	5.0.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020091	28.062	010	2	4.2.0	Rel-5	Introduction of Generic Configuration Frames into TS 28.062, Annex H	approved	B	5.0.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020090	28.062	013		4.2.0	Rel-4	Corrected C-Code for AMR TFO decision rules	approved	F	4.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020092	28.062	014		4.2.0	Rel-5	Introduction of AMR-WB codec types and codec type OHR_AMR into reference implementation C-Code of AMR TFO decision rules	approved	B	5.0.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020091	28.062	015	1	4.2.0	Rel-5	Inclusion of AMR-WB codec types and codec type OHR_AMR (AMR-NB on 8PSK-HR channel) into TFO	approved	B	5.0.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020090	28.062	016		4.2.0	Rel-4	Corrections	approved	F	4.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3

E.5 CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020022	32.005	010		3.5.0	R99	Addition of CAMEL phase 3 extensions in SMS-MO CDR	approved	F	3.6.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain
SP-020022	32.015	035		3.8.0	R99	Addition of CAMEL phase 3 extensions in SMS-MO CDR	approved	F	3.9.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-020024	32.015	036		3.8.0	R99	Addition of "QoSRequested" parameter into "traffic volume containers"	approved	F	3.9.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-020013	32.101	016		4.2.0	Rel-5	Correction and update to QoS Management (alignment on Policy Management with S2, CN3 in 23.207, 29.207)	approved	F	5.0.0	3G Telecom Management principles and high level requirements
SP-020013	32.101	017		4.2.0	Rel-5	Introduction of Subscriber and Equipment Trace Management	approved	B	5.0.0	3G Telecom Management principles and high level requirements
SP-020013	32.101	018		4.2.0	Rel-5	Update of Accounting Management to cover the IMS (alignment with SA5's 32.200 Charging management; Charging Principles)	approved	B	5.0.0	3G Telecom Management principles and high level requirements
SP-020037	32.102	018		4.2.0	Rel-5	Add the rule on how all SA5 Solution Set specifications indicate a reference to a particular SA5 Information Service specification.	approved	B	5.0.0	3G Telecom Management Architecture
SP-020014	32.102	018		4.2.0	Rel-5	Add the rule on how all SA5 Solution Set specifications indicate a reference to a particular SA5 Information Service specification.	withdrawn	F		3G Telecom Management Architecture
SP-020037	32.102	019		4.2.0	Rel-5	Inclusion of the IMS in the 3G Telecom Management Architecture (32.102)	approved	B	5.0.0	3G Telecom Management Architecture
SP-020014	32.102	019		4.2.0	Rel-5	Inclusion of the IMS in the 3G Telecom Management Architecture (32.102)	withdrawn	B		3G Telecom Management Architecture
SP-020028	32.111-2	012		4.2.0	Rel-4	Addition of "perceivedSeverity" as parameter to "acknowledgeAlarms operation" (IS)	approved	F	4.3.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-020029	32.111-2	013		4.2.0	Rel-4	Addition of parameter in Alarm List Rebuilt notification	withdrawn	F		Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-020039	32.111-2	013		4.2.0	Rel-4	Addition of parameter in Alarm List Rebuilt notification	approved	F	4.3.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-020039	32.111-2	014		4.2.0	Rel-4	Addition of new notification notifyPotentialFaultyAlarmList	approved	F	4.3.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-020029	32.111-2	014		4.2.0	Rel-4	Addition of new notification notifyPotentialFaultyAlarmList	withdrawn	F		Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020029	32.111-2	015		4.2.0	Rel-4	Additional trigger event for notifyAlarmListRebuilt	withdrawn	F		Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-020039	32.111-2	015		4.2.0	Rel-4	Additional trigger event for notifyAlarmListRebuilt	approved	F	4.3.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-020015	32.111-3	014		4.1.0	Rel-4	Correction of erroneous and addition of missing mapping tables	approved	F	4.2.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-020028	32.111-3	015		4.1.0	Rel-4	Addition of "perceivedSeverity" as parameter to "acknowledgeAlarms" operation (CORBA SS)	approved	F	4.2.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-020028	32.111-4	005		4.1.0	Rel-4	Addition of "perceivedSeverity" as parameter to "acknowledgeAlarms" operation (CMIP SS)	approved	F	4.2.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-020016	32.200	001		4.0.0	Rel-4	Alignment of terminology with 23.140 (MMS)	approved	F	4.1.0	Telecommunication management; Charging management; Charging principles
SP-020016	32.200	002		4.0.0	Rel-4	Corrections on CAMEL D-CSI trigger function	approved	F	4.1.0	Telecommunication management; Charging management; Charging principles
SP-020016	32.200	003		4.0.0	Rel-4	Correction of interface descriptions and terminology	approved	F	4.1.0	Telecommunication management; Charging management; Charging principles
SP-020016	32.200	004		4.1.0	Rel-5	Incorporation of IMS Charging Architecture from SA2's TR 23.815	approved	B	5.0.0	Telecommunication management; Charging management; Charging principles
SP-020016	32.200	005		4.1.0	Rel-5	Inclusion of on-line charging architecture from SA2's 23.815 into SA5's 32.200	approved	B	5.0.0	Telecommunication management; Charging management; Charging principles
SP-020022	32.205	001		4.0.0	Rel-4	Addition of CAMEL phase 3 extensions in SMS-MO CDR	approved	A	4.1.0	Telecommunication management; Charging management; 3G charging data description for the CS domain
SP-020035	32.205	002		4.1.0	Rel-5	Addition of Charging Data Record definition for Location Service in CS domain	approved	B	5.0.0	Telecommunication management; Charging management; 3G charging data description for the CS domain
SP-020023	32.205	002		4.1.0	Rel-5	Addition of Charging Data Record definition for Location Service in CS domain	withdrawn	B		Telecommunication management; Charging management; 3G charging data description for the CS domain
SP-020025	32.205	003		4.1.0	Rel-5	Addition of CAMEL phase 4 extensions in SMS-MT CDRs	approved	B	5.0.0	Telecommunication management; Charging management; 3G charging data description for the CS domain
SP-020022	32.215	004		4.1.0	Rel-4	Addition of CAMEL phase 3 extensions in SMS-MO CDR	approved	A	4.2.0	Telecommunications management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020024	32.215	005		4.1.0	Rel-4	Addition of "QoSRequested" parameter into "traffic volume containers"	approved	A	4.2.0	Telecommunications management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020025	32.215	006		4.2.0	Rel-5	Addition of CAMEL phase 4 extensions in SMS-MT CDRs	approved	B	5.0.0	Telecommunications management; Charging management; Charging data description for the Packet Switched (PS) domain

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020017	32.235	001		4.0.0	Rel-4	Corrections for consistency with 23.140 (MMS)	approved	F	4.1.0	Telecommunication management; Charging management; Charging data description for application services
SP-020038	32.303	002		4.1.0	Rel-4	Addition of missing generic CORBA exception "ValueNotSupported" into CORBA module "ManagedGenericIRPSystem"	approved	F	4.2.0	Telecommunication management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1
SP-020030	32.303	002		4.1.0	Rel-4	Addition of missing generic CORBA exception "ValueNotSupported" into CORBA module "ManagedGenericIRPSystem"	withdrawn	F		Telecommunication management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1
SP-020018	32.304	005		4.1.0	Rel-4	Correction of invalid ASN.1 definitions	approved	F	4.2.0	Telecommunication management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1
SP-020031	32.304	006		5.0.0	Rel-5	Correction of errors in the GDMO and ASN.1 definitions	approved	F	5.1.0	Telecommunication management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1
SP-020026	32.403	002		4.1.0	Rel-4	Correction of the measured object class for some SGSN MM measurement definitions	approved	F	4.2.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-020027	32.403	003		4.2.0	Rel-5	Introduction of "Performance Measurements Definition Process" describing the repeatable, top-down process to define measurements for inclusion in future 3GPP Releases	withdrawn	F		Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-020167	32.403	003		4.2.0	Rel-5	Introduction of "Performance Measurements Definition Process" describing the repeatable, top-down process to define measurements for inclusion in future 3GPP Releases	rejected	D		Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-020019	32.603	002		4.1.0	Rel-4	Correction of erroneous CORBA module names and mapping tables	approved	F	4.2.0	Telecommunication management; Configuration Management; Basic configuration management IRP: CORBA solution set
SP-020019	32.603	003		4.1.0	Rel-4	Corrections to Basic CM IRP CORBA Solution Set IDLs	approved	F	4.2.0	Telecommunication management; Configuration Management; Basic configuration management IRP: CORBA solution set
SP-020038	32.603	004		4.1.0	Rel-4	Addition of missing CORBA exception "ManagedGenericIRPSystem::ValueNotSupported" onto CORBA method "find_managed_objects"	approved	F	4.2.0	Telecommunication management; Configuration Management; Basic configuration management IRP: CORBA solution set
SP-020030	32.603	004		4.1.0	Rel-4	Addition of missing CORBA exception "ManagedGenericIRPSystem::ValueNotSupported" onto CORBA method "find_managed_objects"	withdrawn	F		Telecommunication management; Configuration Management; Basic configuration management IRP: CORBA solution set
SP-020032	32.615	002		4.1.0	Rel-4	Alignment of XML file definitions with W3C, and modifications to allow use of commercially available XML processing tools	approved	F	4.2.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition
SP-020020	32.622	004		4.1.0	Rel-4	Addition of managedElementType value for GSM Radio Access Network support	approved	F	4.2.0	Telecommunication management; Configuration Management; Generic network resources IRP: NRM
SP-020021	32.624	004		4.2.0	Rel-4	Removal of redundant GDMO/ASN.1 Code	approved	F	4.3.0	Telecommunication management; Configuration Management; Generic network resources: IRP CMIP solution set

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020021	32.624	005		4.2.0	Rel-4	Making 'elementType' consistent	approved	F	4.3.0	Telecommunication management; Configuration Management; Generic network resources: IRP CMIP solution set
SP-020021	32.624	006		4.2.0	Rel-4	Change the attribute "userLabel" from Read-Only to Read-Write	approved	F	4.3.0	Telecommunication management; Configuration Management; Generic network resources: IRP CMIP solution set

E.6   CRs direct to TSG SA#15

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020096	01.01	005	-	8.4.0	R99	Correction to list of specifications	revised	F		GSM Release 1999 Specifications
SP-020178	01.01	005	1	8.4.0	R99	Correction to list of specifications	approved	F	8.5.0	GSM Release 1999 Specifications
SP-020197	01.01	006	-	8.4.0	R99	Renumbering of specs to reflect access-technology-independence of IST	withdrawn	F		GSM Release 1999 Specifications
SP-020093	21.101	008	-	3.6.0	R99	Correction to list of specifications	approved	F	3.7.0	3rd Generation mobile system Release 1999 Specifications
SP-020197	21.101	009	-	3.6.0	R99	Renumbering of specs to reflect access-technology-independence of IST	withdrawn	F		3rd Generation mobile system Release 1999 Specifications
SP-020094	21.102	005	-	4.3.0	Rel-4	Correction to list of specifications	revised	F		3rd Generation mobile system Release 4 specifications
SP-020176	21.102	005	1	4.3.0	Rel-4	Correction to list of specifications	approved	F	4.4.0	3rd Generation mobile system Release 4 specifications
SP-020197	21.102	006	-	4.3.0	Rel-4	Renumbering of specs to reflect access-technology-independence of IST	withdrawn	F		3rd Generation mobile system Release 4 specifications
SP-020105	21.801	004	-	4.2.0	Rel-4	Correction of wrongly numbered table	approved	D	4.3.0	Specification drafting rules
SP-020097	41.102	004	-	4.3.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications
SP-020179	41.102	004	1	4.3.0	Rel-4	Correction to list of specifications	approved	F	4.4.0	GSM Release 4 specifications
SP-020197	41.102	005	-	4.3.0	Rel-4	Renumbering of specs to reflect access-technology-independence of IST	withdrawn	F		GSM Release 4 specifications

Annex F: Status of all 3GPP CRs after TSG SA #15 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-020041	23.972	001	2	3.0.0	Rel-5	Service change and fallback for UDI/RDI multimedia multimedia calls	rejected	C		Circuit switched multimedia telephony	N1
NP-020042	24.008	520	2	5.2.0	Rel-5	P-TMSI allocation in Attach procedure	approved	F	5.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020042	24.008	537	1	5.2.0	Rel-5	Mobile terminated call with single numbering scheme	approved	B	5.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020039	24.008	544		3.10.0	R99	Missing 3rd MNC definition	approved	F	3.11.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020039	24.008	545		4.5.0	Rel-4	Missing 3rd MNC definition	approved	A	4.6.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020039	24.008	546		5.2.0	Rel-5	Missing 3rd MNC definition	approved	A	5.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020042	24.008	550	1	5.2.0	Rel-5	Applicability of CM3 IE Modulation Capability information	approved	F	5.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020041	24.008	551	2	5.2.0	Rel-5	Service change and fallback for UDI/RDI multimedia multimedia calls	rejected	C		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020043	24.008	556	3	5.2.0	Rel-5	Upgrading PCO for supporting IMS services	approved	B	5.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020044	24.008	557	2	5.2.0	Rel-5	Upgrading TFT for supporting IMS services	approved	B	5.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020038	24.008	558	2	3.10.0	R99	Conditions for including R97 QoS attributes in the QoS IE	approved	F	3.11.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020038	24.008	564	1	5.2.0	Rel-5	Handling for QoS profile parameter 'transfer delay'	approved	F	5.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020038	24.008	570	1	4.5.0	Rel-4	Conditions for including R97 QoS attributes in the QoS IE	approved	A	4.6.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020038	24.008	571	1	5.2.0	Rel-5	Conditions for including R97 QoS attributes in the QoS IE	approved	A	5.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-020133	24.008	573	-	3.10.0	R99	Deletion of reference to 23.071 in 24.008	approved	F	3.11.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020133	24.008	574	-	4.5.0	Rel-4	Deletion of reference to 23.071 in 24.008	approved	A	4.6.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020133	24.008	575	-	5.2.0	Rel-5	Deletion of reference to 23.071 in 24.008	approved	A	5.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020040	24.011	023	-	4.0.0	Rel-4	Fixing references to 04.08 and to other GSM TS/TRs	approved	F	4.1.0	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1
NP-020037	29.018	026		3.8.0	R99	Addition of missing Mobile Station States for UMTS	approved	F	3.9.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-020037	29.018	027		4.2.0	Rel-4	Addition of missing Mobile Station States for UMTS	approved	A	4.3.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-020037	29.018	028		5.0.0	Rel-5	Addition of missing Mobile Station States for UMTS	approved	A	5.1.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-020040	44.064	005		4.2.0	Rel-4	Correction of references	approved	F	4.3.0	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1
NP-020040	44.064	006		5.0.0	Rel-5	Correction of references	approved	A	5.1.0	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1
NP-020040	44.065	002		4.1.0	Rel-4	Correction of references	approved	F	4.2.0	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	N1
NP-020055	23.078	372	1	3.11.0	R99	Clarification on NP check at DP2	approved	F	3.12.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020056	23.078	373	2	3.11.0	R99	Clarification on national values of the Called Party Number's Nature of Address field	approved	F	3.12.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020054	23.078	374		3.11.0	R99	Correction to GPRS Dialogue Handler	approved	F	3.12.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020054	23.078	376	1	3.11.0	R99	Correction to Advice of Charge for MT calls	approved	F	3.12.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020054	23.078	378		3.11.0	R99	Exact wordings for Apply Charging and Apply Charging Report in GPRS	approved	F	3.12.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2

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NP-020054	23.078	379		4.3.0	Rel-4	Exact wordings for Apply Charging and Apply Charging Report in GPRS	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020054	23.078	380		3.11.0	R99	FCI handling harmonisation	approved	F	3.12.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020054	23.078	381		4.3.0	Rel-4	FCI handling harmonisation	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020055	23.078	382	1	3.11.0	R99	The waiting for new AC timers	approved	F	3.12.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020055	23.078	383	1	4.3.0	Rel-4	The waiting for new AC timers	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020055	23.078	384	1	3.11.0	R99	Handling Disconnect From IP Forbidden IE in Play Announcement and Prompt And Collect User Information IFs	approved	F	3.12.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020055	23.078	385	1	4.3.0	Rel-4	Handling Disconnect From IP Forbidden IE in Play Announcement and Prompt And Collect User Information IFs	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020054	23.078	386		3.11.0	R99	Correction: CSI handling at several FEs	approved	F	3.12.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020054	23.078	387		4.3.0	Rel-4	Correction: CSI handling at several FEs	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020054	23.078	388		4.3.0	Rel-4	Correction to GPRS Dialogue Handler	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020054	23.078	389		4.3.0	Rel-4	Correction to Advice of Charge for MT calls	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020055	23.078	390	1	3.11.0	R99	MSISDN to be made available to MSC	approved	F	3.12.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020055	23.078	391	1	4.3.0	Rel-4	MSISDN to be made available to MSC	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020055	23.078	392		4.3.0	Rel-4	Clarification on NP check at DP2	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020056	23.078	393		4.3.0	Rel-4	Clarification on national values of the Called Party Number's Nature of Address field	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020057	23.078	394		4.3.0	Rel-5	Composite changes for CAMEL phase 4	noted	B		Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2

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NP-020056	29.078	232	2	3.10.0	R99	Clarification on national values of the Called Party Number's Nature of Address field	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020056	29.078	233	1	3.10.0	R99	Error handling for sequential TCAP Operation components	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020056	29.078	234	3	3.10.0	R99	Correction to GPRS operation error handling	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020056	29.078	237	1	3.10.0	R99	Mapping of CUG information from CAP to ISUP	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020056	29.078	238	1	4.3.0	Rel-4	Mapping of CUG information from CAP to ISUP	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020056	29.078	241		4.3.0	Rel-4	Error handling for sequential TCAP Operation components	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020056	29.078	242		4.3.0	Rel-4	Correction to GPRS operation error handling	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020056	29.078	243		4.3.0	Rel-4	Clarification on national values of the Called Party Number's Nature of Address field	approved	A	4.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020058	29.078	244		4.3.0	Rel-5	Composite changes for CAMEL phase 4	noted	B		Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020080	09.61	A031		6.6.0	R97	Change of associated attribute for 3GPP-NSAPI	approved	F	6.7.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-020080	09.61	A032		7.5.0	R98	Change of associated attribute for 3GPP-NSAPI	approved	A	7.6.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-020083	27.001	071	5	5.0.0	Rel-5	Service Change and Fallback from UDI Multimedia to Speech	rejected	C		General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-020081	27.001	073	1	4.6.0	Rel-4	Negotiation of parameter values for facsimile	approved	F	4.7.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3

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NP-020081	27.001	074	1	5.0.0	Rel-5	Negotiation of parameter values for facsimile	approved	A	5.1.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-020084	27.001	075	1	5.0.0	Rel-5	Mobile terminated call with single numbering scheme	approved	B	5.1.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-020083	29.007	046	4	5.0.0	Rel-5	Service Change and Fallback from UDI Multimedia to Speech	rejected	C		General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-020084	29.007	049	1	5.0.0	Rel-5	Mobile terminated call with single numbering scheme	approved	B	5.1.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-020080	29.061	037		3.8.0	R99	Change of associated attribute for 3GPP-NSAPI	approved	A	3.9.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020080	29.061	038		4.3.0	Rel-4	Change of associated attribute for 3GPP-NSAPI	approved	A	4.4.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020080	29.061	039		5.0.0	Rel-5	Change of associated attribute for 3GPP-NSAPI	approved	A	5.1.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020082	29.414	006		4.3.0	Rel-4	Update Reference to I.363.2	approved	F	4.4.0	Core network Nb data transport and transport signalling	N3
NP-020085	29.414	007		4.3.0	Rel-5	Add GERAN Iu mode to scope	approved	D	5.0.0	Core network Nb data transport and transport signalling	N3
NP-020085	29.415	005		4.2.0	Rel-5	Add GERAN Iu mode to scope	approved	D	5.0.0	Core network Nb interface user plane protocols	N3
NP-020085	43.010	005	1	4.1.0	Rel-5	Terminology clarifications as requested by TSG GERAN	approved	D	5.0.0	GSM Public Land Mobile Network (PLMN) connection types	N3
NP-020085	43.045	001		4.0.0	Rel-5	Terminology clarifications as requested by TSG GERAN	approved	D	5.0.0	Technical Realization of Facsimile Group 3 Service - transparent	N3
NP-020027	09.02	A321	1	7.10.0	R98	Incomplete description of Restore Data parameters	approved	F	7.11.0	Mobile Application Part (MAP) Specification	N4
NP-020027	09.02	A324		7.10.0	R98	Clarification on CODEC-Info	approved	F	7.11.0	Mobile Application Part (MAP) Specification	N4
NP-020026	09.02	A325		5.16.0	R96	ODB alignment	approved	F	5.17.0	Mobile Application Part (MAP) Specification	N4
NP-020026	09.02	A326		6.11.0	R97	ODB alignment	approved	A	6.12.0	Mobile Application Part (MAP) Specification	N4
NP-020026	09.02	A327		7.10.0	R98	ODB alignment	approved	A	7.11.0	Mobile Application Part (MAP) Specification	N4
NP-020066	23.008	038	5	4.1.0	Rel-5	Addition of multimedia information elements	approved	B	5.0.0	Organisation of subscriber data	N4
NP-020063	23.008	039	1	4.1.0	Rel-5	Collective CRs against Camel4	approved	B	5.0.0	Organisation of subscriber data	N4

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NP-020065	23.012	008	1	4.0.0	Rel-5	Relaying of SendIdentification when IuFlex is applied	approved	C	5.0.0	Location management procedures	N4
NP-020063	23.016	021		4.0.0	Rel-5	Collective CR on 23.016	approved	B	5.0.0	Subscriber data management; Stage 2	N4
NP-020028	23.016	022	2	3.7.0	R99	Clarification on overlapping data	approved	F	3.8.0	Subscriber data management; Stage 2	N4
NP-020028	23.016	023	2	4.0.0	Rel-4	Clarification on overlapping data	approved	A	4.1.0	Subscriber data management; Stage 2	N4
NP-020063	23.018	082	2	5.2.0	Rel-5	Introduction of CAMEL Phase 4	approved	B	5.3.0	Basic Call Handling; Technical realization	N4
NP-020028	23.018	092	2	4.5.0	Rel-4	MSISDN in Provide Roaming Number in case of MSP	approved	A	4.6.0	Basic Call Handling; Technical realization	N4
NP-020028	23.018	093	1	5.2.0	Rel-5	MSISDN in Provide Roaming Number in case of MSP	approved	A	5.3.0	Basic Call Handling; Technical realization	N4
NP-020023	23.018	096		3.10.0	R99	Correction on the Active Location Retrieval description	approved	F	3.11.0	Basic Call Handling; Technical realization	N4
NP-020023	23.018	097		4.5.0	Rel-4	Correction on the Active Location Retrieval description	approved	A	4.6.0	Basic Call Handling; Technical realization	N4
NP-020023	23.018	098		5.2.0	Rel-5	Correction on the Active Location Retrieval description	approved	A	5.3.0	Basic Call Handling; Technical realization	N4
NP-020063	23.018	100	1	5.2.0	Rel-5	Transferring the MS classmark & IMEI to the gsmSCF	approved	C	5.3.0	Basic Call Handling; Technical realization	N4
NP-020028	23.018	101	1	3.10.0	R99	MSISDN in Provide Roaming Number in case of MSP	approved	F	3.11.0	Basic Call Handling; Technical realization	N4
NP-020063	23.079	016		4.0.0	Rel-5	Introduction of CAMEL Phase 4	approved	B	5.0.0	Support of Optimal Routeing (SOR); Technical realization; Stage 2	N4
NP-020063	23.083	009	1	4.3.0	Rel-5	Introduction of CAMEL Phase 4	approved	B	5.0.0	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	N4
NP-020066	23.153	030	2	4.3.0	Rel-5	Codec fallback in TrFO Call Establishment to External Network	approved	C	5.0.0	Out of Band Transcoder Control; Stage 2	N4
NP-020029	23.205	020		4.3.0	Rel-4	(G)MSC restoration	approved	F	4.4.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020029	23.205	021		5.0.0	Rel-5	(G)MSC restoration	approved	A	5.1.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020029	23.205	022	2	4.3.0	Rel-4	Correction of Bearer Modification Handling	approved	F	4.4.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020029	23.205	023	2	5.0.0	Rel-5	Correction of Bearer Modification Handling	approved	A	5.1.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020064	24.030	012		4.2.0	Rel-5	Introduction of the "Requestor ID"	approved	B	5.0.0	Location Services (LCS); Supplementary service operations; Stage 3	N4
NP-020064	24.080	015	1	4.2.0	Rel-5	Introduction of the "Requestor ID"	approved	B	5.0.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4
NP-020063	29.002	368	4	5.0.0	Rel-5	Collective CAMEL Phase 4 CR	approved	B	5.1.0	Mobile Application Part (MAP) specification	N4
NP-020023	29.002	371	1	3.11.0	R99	Inclusion of complete ODB data for ATSI and NSDC	approved	F	3.12.0	Mobile Application Part (MAP) specification	N4
NP-020023	29.002	372	1	4.6.0	Rel-4	Inclusion of complete ODB data for ATSI and NSDC	approved	A	4.7.0	Mobile Application Part (MAP) specification	N4
NP-020023	29.002	373		5.0.0	Rel-5	Inclusion of complete ODB data for ATSI and NSDC	approved	A	5.1.0	Mobile Application Part (MAP) specification	N4
NP-020064	29.002	381	2	5.0.0	Rel-5	Introduction of the "Requestor ID"	approved	B	5.1.0	Mobile Application Part (MAP) specification	N4
NP-020025	29.002	382		3.11.0	R99	Addition of Radio Resource List to the Forward Access Signalling operation	approved	F	3.12.0	Mobile Application Part (MAP) specification	N4
NP-020025	29.002	383		4.6.0	Rel-4	Addition of Radio Resource List to the Forward Access Signalling operation	approved	A	4.7.0	Mobile Application Part (MAP) specification	N4
NP-020025	29.002	384		5.0.0	Rel-5	Addition of Radio Resource List to the Forward Access Signalling operation	approved	A	5.1.0	Mobile Application Part (MAP) specification	N4

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NP-020060	29.002	385		4.6.0	Rel-4	Correction to AC version of gprsLocationInfoRetrievalContex	approved	F	4.7.0	Mobile Application Part (MAP) specification	N4
NP-020060	29.002	386		5.0.0	Rel-5	Correction to AC version of gprsLocationInfoRetrievalContex	approved	A	5.1.0	Mobile Application Part (MAP) specification	N4
NP-020027	29.002	388	1	3.11.0	R99	Incomplete description of Restore Data parameters	approved	F	3.12.0	Mobile Application Part (MAP) specification	N4
NP-020027	29.002	389	1	4.6.0	Rel-4	Incomplete description of Restore Data parameters	approved	F	4.7.0	Mobile Application Part (MAP) specification	N4
NP-020027	29.002	390	1	5.0.0	Rel-5	Incomplete description of Restore Data parameters	approved	A	5.1.0	Mobile Application Part (MAP) specification	N4
NP-020027	29.002	401		3.11.0	R99	Clarification on CODEC-Info	approved	A	3.12.0	Mobile Application Part (MAP) specification	N4
NP-020027	29.002	402		4.6.0	Rel-4	Clarification on CODEC-Info	approved	A	4.7.0	Mobile Application Part (MAP) specification	N4
NP-020027	29.002	403		5.0.0	Rel-5	Clarification on CODEC-Info	approved	A	5.1.0	Mobile Application Part (MAP) specification	N4
NP-020026	29.002	405		3.11.0	R99	ODB alignment	approved	A	3.12.0	Mobile Application Part (MAP) specification	N4
NP-020026	29.002	406	1	4.6.0	Rel-4	ODB alignment	approved	F	4.7.0	Mobile Application Part (MAP) specification	N4
NP-020026	29.002	407	1	5.0.0	Rel-5	ODB alignment	approved	A	5.1.0	Mobile Application Part (MAP) specification	N4
NP-020066	29.060	291	1	5.0.0	Rel-5	Clarification on the use of the Teardown indicator IE	approved	F	5.1.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020066	29.060	294	1	5.0.0	Rel-5	Dangling PDP context handling	approved	B	5.1.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020066	29.060	297	1	5.0.0	Rel-5	Re-define the attributions of GTP Information Element	approved	F	5.1.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020024	29.060	298	1	4.3.0	Rel-4	Clarification on PDP address field and end user address	approved	A	4.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020024	29.060	299	1	5.0.0	Rel-5	Clarification on PDP address field and end user address	approved	A	5.1.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020066	29.060	300	3	5.0.0	Rel-5	External Network Assisted Cell Change (NACC)	approved	B	5.1.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020066	29.060	301		5.0.1	Rel-5	Priority of a PDP Context at Inter-SGSN RA Update	approved	B	5.1.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020024	29.060	308		3.11.0	R99	Clarification on PDP address field and end user address	approved	F	3.12.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4

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NP-020066	29.060	309	1	5.0.1	Rel-5	GPRS Tunnelling Protocol (GTP) across the Gn and Gp Interface	approved	F	5.1.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020029	29.232	024	2	4.3.0	Rel-4	Naming convention for TDM resources	approved	F	4.4.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020029	29.232	025	2	5.0.0	Rel-5	Naming convention for TDM resources	approved	A	5.1.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020029	29.232	026	2	4.3.0	Rel-4	Correction of Bearer Modification Handling	approved	F	4.4.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020029	29.232	027	1	5.0.0	Rel-5	Correction of Bearer Modification Handling	approved	A	5.1.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020104	29.198-02	010		4.3.0	Rel-4	Ambiguous definition of TpAssignmentID	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-020104	29.198-02	011		4.3.0	Rel-4	Data type alignment in the common data types	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-020105	29.198-03	023		4.3.0	Rel-4	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020105	29.198-03	024		4.3.0	Rel-4	Replace erroneous mention of P_OSA_ACCESS by the correct value P_OSA_AUTHENTICATION	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020105	29.198-03	025		4.3.0	Rel-4	Add missing inheritance in service agreement management interfaces	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020105	29.198-03	026		4.3.0	Rel-4	Include Operation Set as part of General Service Properties	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020105	29.198-03	027		4.3.0	Rel-4	Improved description of activityTestReq with respect to ServiceInstanceID	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020105	29.198-03	028		4.3.0	Rel-4	OSA Framework - Generate statistics records on behalf of another entity using genFaultStatsRecordReq	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020105	29.198-03	029		4.3.0	Rel-4	Update the interface names for alignment between 3GPP and ETSI/Parlay	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020106	29.198-04	031		4.2.0	Rel-4	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020106	29.198-04	032		4.2.0	Rel-4	Correction of Event Subscription/Notification Data Type	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020106	29.198-04	033		4.2.0	Rel-4	Correction of parameter name in IpCallLeg.routeReq() and in IpCallLeg.setAdviceOfCharge()	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5

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NP-020106	29.198-04	034		4.2.0	Rel-4	Clarification of ambiguous Event handling rules	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020107	29.198-05	008		4.3.0	Rel-4	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-020108	29.198-06	008		4.3.0	Rel-4	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-020109	29.198-07	004		4.3.0	Rel-4	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	N5
NP-020113	29.198-07	005		4.4.0	Rel-5	Addition of terminal capability change notifications	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	N5
NP-020110	29.198-08	005		4.3.0	Rel-4	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-020111	29.198-11	005		4.2.0	Rel-4	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-020111	29.198-11	006		4.2.0	Rel-4	Correction of parameter name in IpAccountManager.createNotification()	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-020111	29.198-11	007		4.2.0	Rel-4	Correction of result parameter of getNotification, set in stead of single result	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-020112	29.198-12	010		4.2.0	Rel-4	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-020112	29.198-12	011		4.2.0	Rel-4	Correction of parameter name in IpAppChargingSession.extendLifeTimeRes()	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
RP-020059	25.201	009	1	3.2.0	R99	Removal of channel coding option "no coding" for FDD and 3.84 Mcps TDD	withdrawn	F		Physical layer - general description	R1
RP-020231	25.201	009	2	3.2.0	R99	Removal of channel coding option "no coding" for FDD and 3.84 Mcps TDD	approved	F	3.3.0	Physical layer - general description	R1
RP-020059	25.201	010	-	4.1.0	Rel-4	Removal of channel coding option "no coding" for FDD and 3.84 Mcps TDD	withdrawn	A		Physical layer - general description	R1
RP-020231	25.201	010	1	4.1.0	Rel-4	Removal of channel coding option "no coding" for FDD and 3.84 Mcps TDD	approved	A	4.2.0	Physical layer - general description	R1
RP-020058	25.201	013	-	4.1.0	Rel-5	Specification of HS-DSCH for Release 5 in 25.201	approved	B	5.0.0	Physical layer - general description	R1
RP-020046	25.211	138	1	3.9.0	R99	Clarification of different diversity modes used in the same active set	approved	F	3.10.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020046	25.211	139	1	4.3.0	Rel-4	Clarification of different diversity modes used in the same active set	approved	A	4.4.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1

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RP-020058	25.211	146	-	4.3.0	Rel-5	Specification of HS-DSCH for Release 5 in 25.211	approved	B	5.0.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020054	25.212	123	4	4.3.0	Rel-5	Inclusion of flexible hard split mode TFCI operation	approved	B	5.0.0	Multiplexing and channel coding (FDD)	R1
RP-020058	25.212	126	1	4.3.0	Rel-5	Changes to 25.212 for HSDPA work item	approved	B	5.0.0	Multiplexing and channel coding (FDD)	R1
RP-020059	25.212	127	1	3.8.0	R99	Removal of channel coding option "no coding" for FDD	withdrawn	F		Multiplexing and channel coding (FDD)	R1
RP-020231	25.212	127	2	3.8.0	R99	Removal of channel coding option "no coding" for FDD	approved	F	3.9.0	Multiplexing and channel coding (FDD)	R1
RP-020059	25.212	128	1	4.3.0	Rel-4	Removal of channel coding option "no coding" for FDD	withdrawn	A		Multiplexing and channel coding (FDD)	R1
RP-020231	25.212	128	2	4.3.0	Rel-4	Removal of channel coding option "no coding" for FDD	approved	A	4.4.0	Multiplexing and channel coding (FDD)	R1
RP-020058	25.213	049	-	4.2.0	Rel-5	The inclusion of HSDPA into 25.213	approved	B	5.0.0	Spreading and modulation (FDD)	R1
RP-020047	25.214	226	-	3.9.0	R99	Clarification on DPCCH dedicated pilot bits with closed loop mode 1	approved	F	3.10.0	Physical layer procedures (FDD)	R1
RP-020047	25.214	227	-	4.3.0	Rel-4	Clarification on DPCCH dedicated pilot bits with closed loop mode 1	approved	A	4.4.0	Physical layer procedures (FDD)	R1
RP-020047	25.214	230	1	3.9.0	R99	Qth threshold parameter in SSDT	revised	F		Physical layer procedures (FDD)	R1
RP-020236	25.214	230	2	3.9.0	R99	Qth threshold parameter in SSDT	revised	F		Physical layer procedures (FDD)	R1
RP-020261	25.214	230	3	3.9.0	R99	Qth threshold parameter in SSDT	approved	F	3.10.0	Physical layer procedures (FDD)	R1
RP-020047	25.214	231	1	4.3.0	Rel-4	Qth threshold parameter in SSDT	revised	A		Physical layer procedures (FDD)	R1
RP-020236	25.214	231	2	4.3.0	Rel-4	Qth threshold parameter in SSDT	revised	A		Physical layer procedures (FDD)	R1
RP-020261	25.214	231	3	4.3.0	Rel-4	Qth threshold parameter in SSDT	approved	A	4.4.0	Physical layer procedures (FDD)	R1
RP-020056	25.214	234	1	4.3.0	Rel-5	Definition of Qth threshold parameter in SSDT	postponed	C		Physical layer procedures (FDD)	R1
RP-020053	25.214	236	1	4.3.0	Rel-4	Clarification of closed loop transmit diversity during soft handover	approved	F	4.4.0	Physical layer procedures (FDD)	R1
RP-020058	25.214	237	2	4.3.0	Rel-5	Introduction of HSDPA feature to TS25.214	approved	B	5.0.0	Physical layer procedures (FDD)	R1
RP-020047	25.214	239	1	3.9.0	R99	TPC procedure in UE when SSDT is activated	approved	F	3.10.0	Physical layer procedures (FDD)	R1
RP-020047	25.214	240	1	4.3.0	Rel-4	TPC procedure in UE when SSDT is activated	approved	A	4.4.0	Physical layer procedures (FDD)	R1
RP-020054	25.214	250	1	4.3.0	Rel-5	Description of SSDT operation for TFCI power control in hard split mode	approved	B	5.0.0	Physical layer procedures (FDD)	R1
RP-020058	25.214	251	-	4.3.0	Rel-5	Introduction of power control aspects for HSDPA feature in TS25.214	approved	B	5.0.0	Physical layer procedures (FDD)	R1
RP-020059	25.215	110	-	3.9.0	R99	Removal of channel coding option "no coding" for FDD	withdrawn	F		Physical layer; Measurements (FDD)	R1
RP-020231	25.215	110	1	3.9.0	R99	Removal of channel coding option "no coding" for FDD	approved	F	3.10.0	Physical layer; Measurements (FDD)	R1
RP-020059	25.215	111	-	4.3.0	Rel-4	Removal of channel coding option "no coding" for FDD	withdrawn	A		Physical layer; Measurements (FDD)	R1
RP-020231	25.215	111	1	4.3.0	Rel-4	Removal of channel coding option "no coding" for FDD	approved	A	4.4.0	Physical layer; Measurements (FDD)	R1
RP-020048	25.215	113	1	3.9.0	R99	Clarification of UE measurements applicability	revised	F		Physical layer; Measurements (FDD)	R1
RP-020245	25.215	113	3	3.9.0	R99	Clarification of UE measurements applicability	approved	F	3.10.0	Physical layer; Measurements (FDD)	R1
RP-020048	25.215	114	1	4.3.0	Rel-4	Clarification of UE measurements applicability	revised	A		Physical layer; Measurements (FDD)	R1
RP-020204	25.215	114	2	4.3.0	Rel-4	Clarification of UE measurements Applicability	withdrawn	A		Physical layer; Measurements (FDD)	R1
RP-020245	25.215	114	3	4.3.0	Rel-4	Clarification of UE measurements applicability	approved	A	4.4.0	Physical layer; Measurements (FDD)	R1
RP-020048	25.215	115	-	3.9.0	R99	Correction to the definition of UTRAN GPS timing of cell frames for UE positioning	approved	F	3.10.0	Physical layer; Measurements (FDD)	R1
RP-020048	25.215	116	-	4.3.0	Rel-4	Correction to the definition of UTRAN GPS timing of cell frames for UE positioning	approved	A	4.4.0	Physical layer; Measurements (FDD)	R1
RP-020048	25.215	117	-	3.9.0	R99	Correction to the definition of UE GPS timing of cell frames for UE positioning	approved	F	3.10.0	Physical layer; Measurements (FDD)	R1
RP-020048	25.215	118	-	4.3.0	Rel-4	Correction to the definition of UE GPS timing of cell frames for UE positioning	approved	A	4.4.0	Physical layer; Measurements (FDD)	R1

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RP-020049	25.221	070	2	3.9.0	R99	Clarification of spreading for UL physical channels	approved	F	3.10.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020049	25.221	071	2	4.3.0	Rel-4	Clarification of spreading for UL physical channels	approved	A	4.4.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020049	25.221	072	1	3.9.0	R99	Common midamble allocation for beacon time slot	approved	F	3.10.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020049	25.221	073	1	4.3.0	Rel-4	Common midamble allocation for beacon time slot	approved	A	4.4.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020049	25.221	074	3	3.9.0	R99	Correction to a transmission of paging indicators bits	approved	F	3.10.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020049	25.221	075	3	4.3.0	Rel-4	Correction to a transmission of paging indicators bits	approved	A	4.4.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020058	25.221	076	1	4.3.0	Rel-5	CR to include HSDPA in TS25.221	approved	B	5.0.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020050	25.222	062	1	3.7.0	R99	Correction to addition of padding zeros to PICH in TDD	approved	F	3.8.0	Multiplexing and channel coding (TDD)	R1
RP-020050	25.222	063	1	4.2.0	Rel-4	Correction to addition of padding zeros to PICH in TDD	approved	A	4.3.0	Multiplexing and channel coding (TDD)	R1
RP-020050	25.222	064	3	3.7.0	R99	Clarification of the requirement for the determination of the rate matching parameters and editorial corrections to 25.222	approved	F	3.8.0	Multiplexing and channel coding (TDD)	R1
RP-020050	25.222	065	3	4.2.0	Rel-4	Clarification of the requirement for the determination of the rate matching parameters and editorial corrections to 25.222	approved	A	4.3.0	Multiplexing and channel coding (TDD)	R1
RP-020058	25.222	066	2	4.2.0	Rel-5	Inclusion of HSDPA in 25.222	approved	B	5.0.0	Multiplexing and channel coding (TDD)	R1
RP-020059	25.222	067	1	3.7.0	R99	Removal of channel coding option "no coding" for 3.84 Mcps TDD	withdrawn	F		Multiplexing and channel coding (TDD)	R1
RP-020059	25.222	068	1	4.2.0	Rel-4	Removal of channel coding option "no coding" for 3.84 Mcps TDD	withdrawn	A		Multiplexing and channel coding (TDD)	R1
RP-020051	25.223	024	1	3.7.0	R99	Removal of quantisation of bj gain factor when calculated from a reference TFC	approved	F	3.8.0	Spreading and modulation (TDD)	R1
RP-020051	25.223	025	1	4.3.0	Rel-4	Removal of quantisation of bj gain factor when calculated from a reference TFC	approved	A	4.4.0	Spreading and modulation (TDD)	R1
RP-020058	25.223	026	1	4.3.0	Rel-5	CR to include HSDPA in TS25.223	approved	B	5.0.0	Spreading and modulation (TDD)	R1
RP-020051	25.223	027	-	3.7.0	R99	Channelisation code-specific multiplier operation under autonomous SF change	approved	F	3.8.0	Spreading and modulation (TDD)	R1
RP-020051	25.223	028	-	4.3.0	Rel-4	Channelisation code-specific multiplier operation under autonomous SF change	approved	A	4.4.0	Spreading and modulation (TDD)	R1
RP-020051	25.223	029	-	3.7.0	R99	Alignment of gamma(i) gains of 25.223 with SIR target of WG2 25.331	approved	F	3.8.0	Spreading and modulation (TDD)	R1
RP-020051	25.223	030	-	4.3.0	Rel-4	Alignment of gamma(i) gains of 25.223 with SIR target of WG2 25.331	approved	A	4.4.0	Spreading and modulation (TDD)	R1

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RP-020052	25.224	078	1	3.9.0	R99	Removal of quantisation of bj gain factor when calculated from a reference TFC	approved	F	3.10.0	Physical layer procedures (TDD)	R1
RP-020052	25.224	079	1	4.3.0	Rel-4	Removal of quantisation of bj gain factor when calculated from a reference TFC	approved	A	4.4.0	Physical layer procedures (TDD)	R1
RP-020057	25.224	080	-	4.3.0	Rel-5	Introduction of "UE Positioning Enhancements for 1.28 Mcps TDD"	approved	B	5.0.0	Physical layer procedures (TDD)	R1
RP-020058	25.224	081	1	4.3.0	Rel-5	Power control and procedures for HSDPA	approved	B	5.0.0	Physical layer procedures (TDD)	R1
RP-020055	25.224	082	1	4.3.0	Rel-5	Introduction of "Node B synchronization for 1.28 Mcps TDD"	approved	B	5.0.0	Physical layer procedures (TDD)	R1
RP-020052	25.224	083	1	3.9.0	R99	TDD MAC layer subchannel assignment	approved	F	3.10.0	Physical layer procedures (TDD)	R1
RP-020052	25.224	084	1	4.3.0	Rel-4	TDD MAC layer subchannel assignment	approved	A	4.4.0	Physical layer procedures (TDD)	R1
RP-020052	25.224	085	-	3.9.0	R99	Transmit diversity on PICH	approved	F	3.10.0	Physical layer procedures (TDD)	R1
RP-020052	25.224	086	-	4.3.0	Rel-4	Transmit diversity on PICH	approved	A	4.4.0	Physical layer procedures (TDD)	R1
RP-020055	25.225	041	1	4.3.0	Rel-5	Introduction of "Node B synchronization for 1.28 Mcps TDD"	approved	B	5.0.0	Physical layer; Measurements (TDD)	R1
RP-020057	25.225	043	-	4.3.0	Rel-5	Introduction of "UE Positioning Enhancements for 1.28 Mcps TDD"	approved	B	5.0.0	Physical layer; Measurements (TDD)	R1
RP-020059	25.225	044	-	3.9.0	R99	Removal of channel coding option "no coding" 3.84 Mcps TDD	withdrawn	F		Physical layer; Measurements (TDD)	R1
RP-020059	25.225	045	-	4.3.0	Rel-4	Removal of channel coding option "no coding" for 3.84 Mcps TDD	withdrawn	A		Physical layer; Measurements (TDD)	R1
RP-020094	25.301	062	1	4.2.0	Rel-5	Introduction of HSDPA	approved	B	5.0.0	Radio Interface Protocol Architecture	R2
RP-020090	25.302	118		4.3.0	Rel-5	Introduction of AOA measurement for 1.28Mcps TDD	approved	B	5.0.0	Services provided by the physical layer	R2
RP-020079	25.302	119	1	4.3.0	Rel-4	UE GPS Code Phase Measurement	approved	F	4.4.0	Services provided by the physical layer	R2
RP-020159	25.302	120	1	3.11.0	R99	Removal of channel coding option "no coding" for FDD and 3.84 Mcps TDD	revised	C		Services provided by the physical layer	R2
RP-020231	25.302	120	2	3.11.0	R99	Removal of channel coding option "no coding" for FDD and 3.84 Mcps TDD	approved	C	3.12.0	Services provided by the physical layer	R2
RP-020159	25.302	121		4.3.0	Rel-4	Removal of channel coding option "no coding" for FDD and 3.84 Mcps TDD	revised	A		Services provided by the physical layer	R2
RP-020231	25.302	121	1	4.3.0	Rel-4	Removal of channel coding option "no coding" for FDD and 3.84 Mcps TDD	approved	A	4.4.0	Services provided by the physical layer	R2
RP-020094	25.302	122	2	4.3.0	Rel-5	Introduction of HSDPA	approved	B	5.0.0	Services provided by the physical layer	R2
RP-020062	25.303	063	1	3.10.0	R99	Correction on RRC connection establishment procedure	approved	F	3.11.0	Interlayer procedures in Connected Mode	R2
RP-020062	25.303	064		4.3.0	Rel-4	Correction on RRC connection establishment procedure	approved	A	4.4.0	Interlayer procedures in Connected Mode	R2
RP-020062	25.303	066		3.10.0	R99	Alignment of SRNS relocation in CELL_DCH	approved	F	3.11.0	Interlayer procedures in Connected Mode	R2
RP-020062	25.303	067		4.3.0	Rel-4	Alignment of SRNS relocation in CELL_DCH	approved	A	4.4.0	Interlayer procedures in Connected Mode	R2
RP-020062	25.303	068		3.10.0	R99	Corrections on combined Cell/URA update and SRNS relocation	approved	F	3.11.0	Interlayer procedures in Connected Mode	R2
RP-020062	25.303	069		4.3.0	Rel-4	Corrections on combined Cell/URA update and SRNS relocation	approved	A	4.4.0	Interlayer procedures in Connected Mode	R2
RP-020063	25.304	095		3.9.0	R99	Correction to TDD paging message receiving occasion	approved	F	3.10.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-020063	25.304	096		4.3.0	Rel-4	Correction to TDD paging message receiving occasion	approved	A	4.4.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2

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RP-020063	25.304	097	1	3.9.0	R99	Clarification of IMSI at Paging channel selection and DRX calculation	approved	F	3.10.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-020063	25.304	098		4.3.0	Rel-4	Clarification of IMSI at Paging channel selection and DRX calculation	approved	A	4.4.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-020080	25.305	073	1	4.2.0	Rel-4	Corrections Relating to IPDL and Timing Advance for 1.28 Mcps TDD	approved	F	4.3.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-020080	25.305	074		5.3.0	Rel-5	Corrections Relating to IPDL and Timing Advance for 1.28 Mcps TDD	approved	A	5.4.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-020090	25.305	075		5.3.0	Rel-5	UE Positioning for 1.28 Mcps TDD	approved	B	5.4.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-020064	25.305	079		3.7.0	R99	Correction to CELL ID positioning when UE is not reachable	withdrawn	F		User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-020064	25.305	080		4.2.0	Rel-4	Correction to CELL ID positioning when UE is not reachable	withdrawn	A		User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-020065	25.305	080	1	4.2.0	Rel-4	Correction to CELL ID positioning when UE is not reachable	approved	F	4.3.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-020064	25.305	081		5.3.0	Rel-5	Correction to CELL ID positioning when UE is not reachable	withdrawn	A		User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-020065	25.305	081	1	5.3.0	Rel-5	Correction to CELL ID positioning when UE is not reachable	approved	A	5.4.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-020066	25.305	081	2	5.3.0	Rel-5	Correction to CELL ID positioning when UE is not reachable	withdrawn	F		User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-020065	25.305	082		3.7.0	R99	Correction to CELL ID positioning when UE is not reachable	approved	F	3.8.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-020066	25.305	082	1	3.7.0	R99	Correction to CELL ID positioning when UE is not reachable	withdrawn	F		User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-020066	25.305	083		4.2.0	Rel-4	Correction to CELL ID positioning when UE is not reachable	withdrawn	A		User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-020094	25.306	029	2	4.3.0	Rel-5	HSDPA UE capabilities	approved	B	5.0.0	UE Radio Access capabilities definition	R2
RP-020078	25.306	031	1	3.4.0	R99	Introduction of interim test marker within UE radio access capabilities	withdrawn	C		UE Radio Access capabilities definition	R2
RP-020078	25.306	032		4.3.0	Rel-4	Introduction of interim test marker within UE radio access capabilities	withdrawn	A		UE Radio Access capabilities definition	R2

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RP-020081	25.306	033		4.3.0	Rel-4	Clarification on ICS version within UE radio access capabilities	withdrawn	F		UE Radio Access capabilities definition	R2
RP-020228	25.306	034	-	3.4.0	R99	Clarification on ICS version within UE radio access capabilities	approved	F	3.5.0	UE Radio Access capabilities definition	R2
RP-020228	25.306	035	-	4.3.0	Rel-4	Clarification on ICS version within UE radio access capabilities	approved	A	4.4.0	UE Radio Access capabilities definition	R2
RP-020232	25.306	036	-	3.4.0	R99	Clarification of Maximum number of TFC in the TFCS	revised	F		UE Radio Access capabilities definition	R2
RP-020242	25.306	036	1	3.4.0	R99	Clarification of Maximum number of TFC in the TFCS	approved	F	3.5.0	UE Radio Access capabilities definition	R2
RP-020232	25.306	037	-	4.3.0	Rel-4	Clarification of Maximum number of TFC in the TFCS	revised	A		UE Radio Access capabilities definition	R2
RP-020242	25.306	037	1	4.3.0	Rel-4	Clarification of Maximum number of TFC in the TFCS	approved	A	4.4.0	UE Radio Access capabilities definition	R2
RP-020237	25.306	038	-	3.4.0	R99	Support of UP measurement reporting in CELL_PCH/URA_PCH	approved	F	3.5.0	UE Radio Access capabilities definition	R2
RP-020237	25.306	039	-	4.3.0	Rel-4	Support of UP measurement reporting in CELL_PCH/URA_PCH	approved	A	4.4.0	UE Radio Access capabilities definition	R2
RP-020096	25.307	004		4.1.0	Rel-5	Creation of Rel-5 specification	approved	F	5.0.0	Requirements on UEs supporting a release-independent frequency band	R2
RP-020093	25.308	002		5.1.0	Rel-5	HSDPA updates	approved	B	5.2.0	UTRA High Speed Downlink Packet Access (HSPDA); Overall description; Stage 2	R2
RP-020067	25.321	102	1	3.10.0	R99	Clarification on ciphering	approved	F	3.11.0	Medium Access Control (MAC) protocol specification	R2
RP-020067	25.321	103		4.3.0	Rel-4	Clarification on ciphering	approved	A	4.4.0	Medium Access Control (MAC) protocol specification	R2
RP-020094	25.321	104	2	4.3.0	Rel-5	Introduction of HSDPA	approved	B	5.0.0	Medium Access Control (MAC) protocol specification	R2
RP-020067	25.321	105		3.10.0	R99	TDD MAC Layer Subchannel Assignment	approved	F	3.11.0	Medium Access Control (MAC) protocol specification	R2
RP-020067	25.321	106		4.3.0	Rel-4	TDD MAC Layer Subchannel Assignment	approved	A	4.4.0	Medium Access Control (MAC) protocol specification	R2
RP-020067	25.321	109	1	3.10.0	R99	Missing DTCH channel type in UE-ID Type Indicator	approved	F	3.11.0	Medium Access Control (MAC) protocol specification	R2
RP-020067	25.321	110		4.3.0	Rel-4	Missing DTCH channel type in UE-ID Type Indicator	approved	A	4.4.0	Medium Access Control (MAC) protocol specification	R2
RP-020067	25.321	111	1	3.10.0	R99	Correction on UE Id for DSCH	approved	F	3.11.0	Medium Access Control (MAC) protocol specification	R2
RP-020067	25.321	112		4.3.0	Rel-4	Correction on UE Id for DSCH	approved	A	4.4.0	Medium Access Control (MAC) protocol specification	R2
RP-020067	25.321	113		3.10.0	R99	UE undefined behaviour when padding is required	approved	F	3.11.0	Medium Access Control (MAC) protocol specification	R2
RP-020067	25.321	114		4.3.0	Rel-4	UE undefined behaviour when padding is required	approved	A	4.4.0	Medium Access Control (MAC) protocol specification	R2
RP-020068	25.322	171	2	3.9.0	R99	Clarification on MRW SUFI and SDU discard with explicit signalling procedure	approved	F	3.10.0	Radio Link Control (RLC) protocol specification	R2
RP-020068	25.322	172		4.3.0	Rel-4	Clarification on MRW SUFI and SDU discard with explicit signalling procedure	approved	A	4.4.0	Radio Link Control (RLC) protocol specification	R2
RP-020068	25.322	175	1	3.9.0	R99	SDU discard termination	approved	F	3.10.0	Radio Link Control (RLC) protocol specification	R2

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RP-020068	25.322	176		4.3.0	Rel-4	SDU discard termination	approved	A	4.4.0	Radio Link Control (RLC) protocol specification	R2
RP-020068	25.322	179	1	3.9.0	R99	Initial value of VT(US)	approved	F	3.10.0	Radio Link Control (RLC) protocol specification	R2
RP-020068	25.322	180		4.3.0	Rel-4	Initial value of VT(US)	approved	A	4.4.0	Radio Link Control (RLC) protocol specification	R2
RP-020069	25.323	042	1	3.7.0	R99	Clarification on PDCP sequence numbering	approved	F	3.8.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-020069	25.323	043		4.3.0	Rel-4	Clarification on PDCP sequence numbering	approved	A	4.4.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-020082	25.331	1122	2	4.3.0	Rel-4	Correction to include Cell ID for Cell_DCH state	approved	F	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020084	25.331	1129	2	4.3.0	Rel-5	Support of flexible hard split mode	approved	B	5.0.0	Radio Resource Control (RRC) protocol specification	R2
RP-020082	25.331	1187	2	4.3.0	Rel-4	Correction of Transparent mode signalling for UL rate control	approved	F	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020082	25.331	1188	2	4.3.0	Rel-4	Introduction of default radio configurations for UMTS_AMR2 with four speech modes	approved	C	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020082	25.331	1223	1	4.3.0	Rel-4	Acquisition of PLMN identity of neighbour cells via SIB 18	approved	C	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020090	25.331	1225	1	4.3.0	Rel-5	Introduction of the parameters of OTDOA with IPDL for 1.28 Mcps TDD	approved	B	5.0.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1228	1	3.9.0	R99	Constant value range correction for DPCH and PUSCH in TDD mode	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1229		4.3.0	Rel-4	Constant value range correction for DPCH and PUSCH in TDD mode	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1230		3.9.0	R99	Corrections to open loop power control for TDD and RB information parameters for SHCCH	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1231		4.3.0	Rel-4	Corrections to open loop power control for TDD and RB information parameters for SHCCH	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1232	1	3.9.0	R99	Removal of unnecessary replication of TFCS ID in Physical Shared Channel Allocation message	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1233		4.3.0	Rel-4	Removal of unnecessary replication of TFCS ID in Physical Shared Channel Allocation message	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020159	25.331	1235	1	3.9.0	R99	Deferral of SSDT from R99 to REL-4	withdrawn	C		Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1236		3.9.0	R99	Correction to TF selection when using UL RLC TM	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1237		4.3.0	Rel-4	Correction to TF selection when using UL RLC TM	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1238	3	3.9.0	R99	Correction to the UE behaviour in case of SRNS relocation	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1239		4.3.0	Rel-4	Correction to the UE behaviour in case of SRNS relocation	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1240		3.9.0	R99	Header Compression protocols re-initialisation during SRNS Relocation	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1241		4.3.0	Rel-4	Header Compression protocols re-initialisation during SRNS Relocation	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020070	25.331	1242	1	3.9.0	R99	Misalignments between tabular and ASN.1 related to UE Positioning, tabular correction	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1243		4.3.0	Rel-4	Misalignments between tabular and ASN.1 related to UE Positioning, tabular correction	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1244		3.9.0	R99	Corrections to comments in ASN.1	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1245		4.3.0	Rel-4	Corrections to comments in ASN.1	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1246		3.9.0	R99	Correction to restarting of T308	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1247		4.3.0	Rel-4	Correction to restarting of T308	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1248	2	3.9.0	R99	Clarification of the use of T309 during inter-RAT cell reselections	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020070	25.331	1249		4.3.0	Rel-4	Clarification of the use of T309 during inter-RAT cell reselections	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1250		3.9.0	R99	Measurement Corrections	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1251		4.3.0	Rel-4	Measurement Corrections	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1252	1	3.9.0	R99	Existence of TFCI bits	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020239	25.331	1252	2	3.9.0	R99	Existence of TFCI bits	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1253		4.3.0	Rel-4	Existence of TFCI bits	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020239	25.331	1253	1	4.3.0	Rel-4	Existence of TFCI bits	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020082	25.331	1254		4.3.0	Rel-4	Various ASN.1 Corrections	approved	F	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1257	1	3.9.0	R99	Corrections of inconsistency between procedural description, tabular and ASN.1	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1258		4.3.0	Rel-4	Corrections of inconsistency between procedural description, tabular and ASN.1	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1259	1	3.9.0	R99	Corrections to Expiration Time Factor and Expiration Time formula for SIB 7 and SIB 14	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1260		4.3.0	Rel-4	Corrections to Expiration Time Factor and Expiration Time formula for SIB 7 and SIB 14	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1261	1	3.9.0	R99	Corrections to Reporting Cell Status	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1262		4.3.0	Rel-4	Corrections to Reporting Cell Status	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1267	2	3.9.0	R99	Correction to inter frequency measurements	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1268		4.3.0	Rel-4	Correction to inter frequency measurements	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1270	1	3.9.0	R99	Actions at reception of system information block type 1	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020071	25.331	1271		4.3.0	Rel-4	Actions at reception of system information block type 1	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1272	2	3.9.0	R99	Tx diversity and no diversity in the same active set	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1273		4.3.0	Rel-4	Tx diversity and no diversity in the same active set	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1274	1	3.9.0	R99	Correction to cell update	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1275		4.3.0	Rel-4	Correction to cell update	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1276		3.9.0	R99	Successful and unsuccessful procedures	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020071	25.331	1277		4.3.0	Rel-4	Successful and unsuccessful procedures	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1278	1	3.9.0	R99	Measurement related corrections	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1279		4.3.0	Rel-4	Measurement related corrections	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1280	2	3.9.0	R99	Clarifications on Event 1D	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1281		4.3.0	Rel-4	Clarifications on Event 1D	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020074	25.331	1282	4	3.9.0	R99	Security corrections	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020205	25.331	1282	5	3.9.0	R99	Security corrections	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020074	25.331	1283		4.3.0	Rel-4	Security corrections	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020205	25.331	1283	1	4.3.0	Rel-4	Security corrections	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1284		3.9.0	R99	Transition from CELL_DCH to CELL_FACH state	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1285		4.3.0	Rel-4	Transition from CELL_DCH to CELL_FACH state	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1286		3.9.0	R99	Corrections and clarifications of Radio link timing	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1287		4.3.0	Rel-4	Corrections and clarifications of Radio link timing	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1288	1	3.9.0	R99	Spare values in ASN.1	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1289		4.3.0	Rel-4	Spare values in ASN.1	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020082	25.331	1290		4.3.0	Rel-4	Handover from UTRAN failure	approved	F	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020085	25.331	1291	1	4.3.0	Rel-5	Radio link timing	approved	B	5.0.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1293	1	3.9.0	R99	Actions on reception of measurement related IEs	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020072	25.331	1294		4.3.0	Rel-4	Actions on reception of measurement related IEs	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020159	25.331	1295	1	3.9.0	R99	Removal of channel coding option "no coding" for FDD and 3.84 Mcps TDD	revised	C		Radio Resource Control (RRC) protocol specification	R2
RP-020231	25.331	1295	2	3.9.0	R99	Removal of channel coding option "no coding" for FDD and 3.84 Mcps TDD	approved	C	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020159	25.331	1296		4.3.0	Rel-4	Removal of channel coding option "no coding" for FDD and 3.84 Mcps TDD	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020231	25.331	1296	1	4.3.0	Rel-4	Removal of channel coding option "no coding" for FDD and 3.84 Mcps TDD	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1297	1	3.9.0	R99	Timing Indication when moving to CELL_DCH state	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1298		4.3.0	Rel-4	Timing Indication when moving to CELL_DCH state	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020094	25.331	1305	2	4.3.0	Rel-5	Introduction of HSDPA	approved	B	5.0.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1306	1	3.9.0	R99	Correction to processing RB mapping info	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1307		4.3.0	Rel-4	Correction to processing RB mapping info	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1312	1	3.9.0	R99	RRC Connection Release following network authentication failure	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1313		4.3.0	Rel-4	RRC Connection Release following network authentication failure	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1316		3.9.0	R99	Clarification on serving cell in SIB11	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020072	25.331	1317		4.3.0	Rel-4	Clarification on serving cell in SIB11	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1318	1	3.9.0	R99	Treatment of optional elements in RB control messages	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1319		4.3.0	Rel-4	Treatment of optional elements in RB control messages	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1322		3.9.0	R99	Procedure Performance for TDD UL physical Channel Control	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1323		4.3.0	Rel-4	Procedure Performance for TDD UL physical Channel Control	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020159	25.331	1328	1	3.9.0	R99	Removal of Tx Diversity Closed loop mode 2 from R'99 only	withdrawn	C		Radio Resource Control (RRC) protocol specification	R2
RP-020219	25.331	1330	4	3.9.0	R99	Clarification to physical channel establishment criteria	withdrawn	F		Radio Resource Control (RRC) protocol specification	R2
RP-020224	25.331	1330	5	3.9.0	R99	Clarification to physical channel establishment criteria	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020248	25.331	1330	6	3.9.0	R99	Clarification to physical channel establishment criteria	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020250	25.331	1331	1	4.3.0	Rel-4	Clarification to physical channel establishment criteria	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1332	2	3.9.0	R99	OTDOA Assistance Data	revised	F		Radio Resource Control (RRC) protocol specification	R2

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RP-020217	25.331	1332	3	3.9.0	R99	OTDOA assistance data	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020247	25.331	1332	4	3.9.0	R99	OTDOA assistance data	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1333		4.3.0	Rel-4	OTDOA Assistance Data	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020249	25.331	1333	1	4.3.0	Rel-4	OTDOA Assistance Data	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020159	25.331	1334	2	3.9.0	R99	Removal of Power control DPC Mode 1 from R99 only	withdrawn	C		Radio Resource Control (RRC) protocol specification	R2
RP-020082	25.331	1335		4.3.0	Rel-4	Corrections to indicate that SIB 14 is not used by 1.28 TDD	approved	F	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1336	2	3.9.0	R99	Retransmission of uplink direct transfer at RLC re-establishment and inter-RAT change	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1337		4.3.0	Rel-4	Retransmission of uplink direct transfer at RLC re-establishment and inter-RAT change	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1338	1	3.9.0	R99	Correction to IE "UL interference" for UTRA TDD	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1339		4.3.0	Rel-4	Correction to IE "UL interference" for UTRA TDD	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020074	25.331	1342	3	3.9.0	R99	Corrections of UE Positioning requirements	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020074	25.331	1343		4.3.0	Rel-4	Corrections of UE Positioning requirements	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020074	25.331	1344	1	3.9.0	R99	Multimode speech in default configurations	approved	C	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020074	25.331	1345		4.3.0	Rel-4	Multimode speech in default configurations	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1346	1	3.9.0	R99	Correction to UE Id for DSCH	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1347		4.3.0	Rel-4	Correction to UE Id for DSCH	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1348	3	3.9.0	R99	Corrections to support combined Cell/URA update and SRNS relocation	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1349		4.3.0	Rel-4	Corrections to support combined Cell/URA update and SRNS relocation	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1350	1	3.9.0	R99	Number of UTRAN and Inter-RAT frequencies	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1351		4.3.0	Rel-4	Number of UTRAN and Inter-RAT frequencies	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1352	1	3.9.0	R99	Abortion of signalling connection establishment	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1353		4.3.0	Rel-4	Abortion of signalling connection establishment	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020078	25.331	1354	1	3.9.0	R99	Introduction of interim test marker RRC	withdrawn	F		Radio Resource Control (RRC) protocol specification	R2
RP-020078	25.331	1355	1	4.3.0	Rel-4	Introduction of interim test marker RRC	withdrawn	A		Radio Resource Control (RRC) protocol specification	R2

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RP-020082	25.331	1356		4.3.0	Rel-4	Clarification on ICS version within UE radio access capabilities	withdrawn	F		Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1357	1	3.9.0	R99	Modification of GPS timing representation to avoid large integers	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020073	25.331	1358		4.3.0	Rel-4	Modification of GPS timing representation to avoid large integers	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020074	25.331	1359	1	3.9.0	R99	Additional TFCS selection guidelines	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020074	25.331	1360		4.3.0	Rel-4	Additional TFCS selection guidelines	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020074	25.331	1361		3.9.0	R99	Clarification of layer 3 filtering of measurements in the UE	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020074	25.331	1362		4.3.0	Rel-4	Clarification of layer 3 filtering of measurements in the UE	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020210	25.331	1363		3.9.0	R99	Improved readability of procedural text	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020210	25.331	1364		4.3.0	Rel-4	Improved readability of procedural text	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020228	25.331	1365	-	3.9.0	R99	Clarification on ICS version within UE radio access capabilities	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020228	25.331	1366	-	4.3.0	Rel-4	Clarification on ICS version within UE radio access capabilities	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020233	25.331	1367	-	3.9.0	R99	Clarification of Maximum number of TFC in the TFCS	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020233	25.331	1368	-	4.3.0	Rel-4	Clarification of Maximum number of TFC in the TFCS	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020238	25.331	1369	-	3.9.0	R99	Support of UP measurement reporting in CELL_PCH/URA_PCH	approved	F	3.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-020238	25.331	1370	-	4.3.0	Rel-4	Support of UP measurement reporting in CELL_PCH/URA_PCH	approved	A	4.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-020075	25.921	038		3.6.0	R99	Additional guidelines on ASN.1 comments	approved	F	3.7.0	Guidelines and principles for protocol description and error handling	R2
RP-020075	25.921	039		4.3.0	Rel-4	Additional guidelines on ASN.1 comments	approved	A	4.4.0	Guidelines and principles for protocol description and error handling	R2
RP-020075	25.921	040		3.6.0	R99	RRC specific rules for procedure text	approved	F	3.7.0	Guidelines and principles for protocol description and error handling	R2
RP-020075	25.921	041		4.3.0	Rel-4	RRC specific rules for procedure text	approved	A	4.4.0	Guidelines and principles for protocol description and error handling	R2
RP-020076	25.922	019		3.6.0	R99	Clarification regarding the transfer of RRC information across interfaces other than Uu	approved	F	3.7.0	Radio Resource Management Strategies	R2
RP-020076	25.922	020		4.1.0	Rel-4	Clarification regarding the transfer of RRC information across interfaces other than Uu	approved	A	4.2.0	Radio Resource Management Strategies	R2
RP-020076	25.922	021		3.6.0	R99	Correction to TDD DCA Description	approved	F	3.7.0	Radio Resource Management Strategies	R2
RP-020076	25.922	022		4.1.0	Rel-4	Correction to TDD DCA Description	approved	A	4.2.0	Radio Resource Management Strategies	R2
RP-020077	34.109	011		3.4.0	R99	Clarifications of UE conformance test functions	approved	F	3.5.0	Terminal logical test interface; Special conformance testing functions	R2
RP-020077	34.109	012		4.1.0	Rel-4	Clarifications of UE conformance test functions	approved	A	4.2.0	Terminal logical test interface; Special conformance testing functions	R2

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RP-020190	25.401	039	2	5.1.0	Rel-5	HSDPA Additions for REL-5	approved	B	5.2.0	UTRAN Overall Description	R3
RP-020162	25.401	042		3.8.0	R99	New UE identifier for MAC-c/sh multiplexing for DSCH	revised	F		UTRAN Overall Description	R3
RP-020221	25.401	042	-	3.8.0	R99	New UE identifier for MAC-c/sh multiplexing for DSCH	approved	F	3.9.0	UTRAN Overall Description	R3
RP-020162	25.401	043		4.2.0	Rel-4	New UE identifier for MAC-c/sh multiplexing for DSCH	revised	A		UTRAN Overall Description	R3
RP-020221	25.401	043	-	4.2.0	Rel-4	New UE identifier for MAC-c/sh multiplexing for DSCH	approved	A	4.3.0	UTRAN Overall Description	R3
RP-020189	25.401	044	2	5.1.0	Rel-5	Introduction of IP Transport in UTRAN	approved	B	5.2.0	UTRAN Overall Description	R3
RP-020257	25.401	045	1	5.1.0	Rel-5	NNSF Functional Description	approved	B	5.2.0	UTRAN Overall Description	R3
RP-020195	25.401	045	1	5.1.0	Rel-5	NNSF Functional Description	revised	B		UTRAN Overall Description	R3
RP-020221	25.401	046	-	5.1.0	Rel-5	New UE identifier for MAC-c/sh multiplexing for DSCH	approved	A	5.2.0	UTRAN Overall Description	R3
RP-020191	25.402	032		4.3.0	Rel-5	Node B synchronisation for 1.28Mcps TDD	approved	B	5.0.0	Synchronisation in UTRAN Stage 2	R3
RP-020163	25.402	033		3.8.0	R99	Clarification on the DPCH frame offset	approved	F	3.9.0	Synchronisation in UTRAN Stage 2	R3
RP-020163	25.402	034		4.3.0	Rel-4	Clarification on the DPCH frame offset	approved	A	4.4.0	Synchronisation in UTRAN Stage 2	R3
RP-020189	25.410	032	3	4.3.0	Rel-5	Introduction of IP transport option in UTRAN	approved	B	5.0.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-020195	25.410	036	1	4.3.0	Rel-5	NNSF Impacts upon the Iu Interface Connectivity	revised	B		UTRAN Iu Interface: General Aspects and Principles	R3
RP-020257	25.410	036	1	4.3.0	Rel-5	NNSF Impacts upon the Iu Interface Connectivity	approved	B	5.0.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-020189	25.411	009	1	4.1.0	Rel-5	IP transport modifications to TS 25.411	approved	B	5.0.0	UTRAN Iu interface Layer 1	R3
RP-020189	25.412	010	3	4.0.0	Rel-5	Introduction of IP Transport option in UTRAN	approved	B	5.0.0	UTRAN Iu interface signalling transport	R3
RP-020164	25.413	401		3.8.0	R99	Question regarding SRNS Context Transfer and SRNS Data Forwarding Initiation	approved	F	3.9.0	UTRAN Iu interface RANAP signalling	R3
RP-020164	25.413	402		4.3.0	Rel-4	Question regarding SRNS Context Transfer and SRNS Data Forwarding Initiation	approved	A	4.4.0	UTRAN Iu interface RANAP signalling	R3
RP-020208	25.413	404	3	4.3.0	Rel-5	addition of the ROHC context relocation during SRNS relocation	postponed	B		UTRAN Iu interface RANAP signalling	R3
RP-020207	25.413	405	1	4.3.0	Rel-5	Signalling enhancements for GERAN Iu Mode LCS	postponed	B		UTRAN Iu interface RANAP signalling	R3
RP-020164	25.413	406		3.8.0	R99	Intersystem Change and inter-system Handover corrections	approved	F	3.9.0	UTRAN Iu interface RANAP signalling	R3
RP-020164	25.413	407		4.3.0	Rel-4	Intersystem Change and inter-system Handover corrections	approved	A	4.4.0	UTRAN Iu interface RANAP signalling	R3
RP-020179	25.413	408		4.3.0	Rel-4	Requirements on user plane initialisation moved to 25.415	approved	F	4.4.0	UTRAN Iu interface RANAP signalling	R3
RP-020188	25.413	409	2	4.3.0	Rel-5	Transport Layer Address at RAB modification	approved	B	5.0.0	UTRAN Iu interface RANAP signalling	R3
RP-020164	25.413	417		3.8.0	R99	RAB Modification Parameters	approved	F	3.9.0	UTRAN Iu interface RANAP signalling	R3
RP-020164	25.413	418		4.3.0	Rel-4	RAB Modification Parameters	approved	A	4.4.0	UTRAN Iu interface RANAP signalling	R3
RP-020189	25.413	419	3	4.3.0	Rel-5	Introduction of IP Transport option in UTRAN	approved	B	5.0.0	UTRAN Iu interface RANAP signalling	R3
RP-020164	25.413	421	1	3.8.0	R99	Delivery of erroneous SDUs	approved	F	3.9.0	UTRAN Iu interface RANAP signalling	R3
RP-020164	25.413	422	1	4.3.0	Rel-4	Delivery of erroneous SDUs	approved	A	4.4.0	UTRAN Iu interface RANAP signalling	R3
RP-020164	25.413	423	2	3.8.0	R99	Handling of Global RNC-ID in Reset and Reset resource	approved	F	3.9.0	UTRAN Iu interface RANAP signalling	R3
RP-020164	25.413	424	2	4.3.0	Rel-4	Handling of Global RNC-ID in Reset and Reset resource	approved	A	4.4.0	UTRAN Iu interface RANAP signalling	R3
RP-020164	25.413	425	2	3.8.0	R99	RABs concerned by contexts transfer	approved	F	3.9.0	UTRAN Iu interface RANAP signalling	R3
RP-020164	25.413	426	2	4.3.0	Rel-4	RABs concerned by contexts transfer	approved	A	4.4.0	UTRAN Iu interface RANAP signalling	R3
RP-020188	25.413	428	3	4.3.0	Rel-5	Implementation of Handover/Relocation Solution for Inter-RAN Load Information Exchange between RAN and GERAN for Rel'5	approved	B	5.0.0	UTRAN Iu interface RANAP signalling	R3
RP-020179	25.413	429	1	4.3.0	Rel-4	Correction to LCS Vertical Accuracy Code IE	approved	F	4.4.0	UTRAN Iu interface RANAP signalling	R3
RP-020257	25.413	431	1	4.3.0	Rel-5	NNSF Functional Description	approved	B	5.0.0	UTRAN Iu interface RANAP signalling	R3

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RP-020195	25.413	431	1	4.3.0	Rel-5	NNSF Functional Description	revised	B		UTRAN Iu interface RANAP signalling	R3
RP-020164	25.413	432		4.3.0	Rel-4	Alignment of definition of Guaranteed Bitrate with 25.415	approved	A	4.4.0	UTRAN Iu interface RANAP signalling	R3
RP-020164	25.413	433		3.8.0	R99	Alignment of definition of Guaranteed Bitrate with 25.415	approved	F	3.9.0	UTRAN Iu interface RANAP signalling	R3
RP-020184	25.413	434	2	3.8.0	R99	Inclusion of "Age of Location IE into LOCATION REPORT"	withdrawn	F		UTRAN Iu interface RANAP signalling	R3
RP-020262	25.413	434	4	3.8.0	R99	Inclusion of Last Know Service Area IE group into LOCATION REPORT	approved	F	3.9.0	UTRAN Iu interface RANAP signalling	R3
RP-020185	25.413	435	2	4.3.0	Rel-4	Inclusion of Last Know Service Area IE group into LOCATION REPORT	revised	C		UTRAN Iu interface RANAP signalling	R3
RP-020260	25.413	435	3	4.3.0	Rel-4	Inclusion of Last Know Service Area IE group into LOCATION REPORT	revised	C		UTRAN Iu interface RANAP signalling	R3
RP-020184	25.413	435	3	4.3.0	Rel-4	Inclusion of "Age of Location IE into LOCATION REPORT"	withdrawn	A		UTRAN Iu interface RANAP signalling	R3
RP-020262	25.413	435	4	4.3.0	Rel-4	Inclusion of Last Know Service Area IE group into LOCATION REPORT	approved	C	4.4.0	UTRAN Iu interface RANAP signalling	R3
RP-020186	25.413	436	2	4.3.0	Rel-5	Inclusion of "Age of Location IE into LOCATION REPORT"	withdrawn	B		UTRAN Iu interface RANAP signalling	R3
RP-020189	25.414	030	3	4.2.0	Rel-5	Introduction of IP transport option in UTRAN	approved	B	5.0.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020165	25.414	031		3.9.0	R99	AAL5 used to transport IP packet for Broadcast Domain	approved	F	3.10.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020165	25.414	032		4.2.0	Rel-4	AAL5 used to transport IP packet for Broadcast Domain	approved	A	4.3.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020180	25.415	092		4.3.0	Rel-4	Inclusion and extension of requirements removed from RANAP spec.	approved	F	4.4.0	UTRAN Iu interface user plane protocols	R3
RP-020180	25.415	093		4.3.0	Rel-4	Support mode for predefined SDU sizes version 1 in REL4	approved	F	4.4.0	UTRAN Iu interface user plane protocols	R3
RP-020180	25.415	094		4.3.0	Rel-4	Time based frame numbering	approved	F	4.4.0	UTRAN Iu interface user plane protocols	R3
RP-020189	25.415	095	1	4.3.0	Rel-5	Introduction of IP Transport option in UTRAN	approved	B	5.0.0	UTRAN Iu interface user plane protocols	R3
RP-020166	25.415	098	2	3.9.0	R99	Rate Control Correction	approved	F	3.10.0	UTRAN Iu interface user plane protocols	R3
RP-020180	25.415	102		4.3.0	Rel-4	Removal of mechanism that violates Core Network principles	approved	F	4.4.0	UTRAN Iu interface user plane protocols	R3
RP-020167	25.419	081		3.7.0	R99	Correction of the value Default in Category IE	approved	F	3.8.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020167	25.419	082		4.3.0	Rel-4	Correction of the value Default in Category IE	approved	A	4.4.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020167	25.419	083	1	3.7.0	R99	Correction of the wording of maximum value	approved	F	3.8.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020167	25.419	084	1	4.3.0	Rel-4	Correction of the wording of maximum value	approved	A	4.4.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020167	25.419	085		3.7.0	R99	Service expected from the transport layer	approved	F	3.8.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020167	25.419	086		4.3.0	Rel-4	Service expected from the transport layer	approved	A	4.4.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020167	25.419	087	1	3.7.0	R99	ASN.1 take precedence if contradiction between ASN.1 and tabular	approved	F	3.8.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020167	25.419	088	1	4.3.0	Rel-4	ASN.1 take precedence if contradiction between ASN.1 and tabular	approved	A	4.4.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020167	25.419	089	1	3.7.0	R99	Mismatch the type of some IE between 24.419 and 25.324	approved	F	3.8.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3

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RP-020167	25.419	090	1	4.3.0	Rel-4	Mismatch the type of some IE between 24.419 and 25.324	approved	A	4.4.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020167	25.419	091		3.7.0	R99	Correction of the usage of Write-Replace Failure message	approved	F	3.8.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020167	25.419	092		4.3.0	Rel-4	Correction of the usage of Write-Replace Failure message	approved	A	4.4.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020167	25.419	093		3.7.0	R99	Error Indication correction	approved	F	3.8.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020167	25.419	094		4.3.0	Rel-4	Error Indication correction	approved	A	4.4.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020190	25.420	023	1	4.1.0	Rel-5	HSDPA Additions for REL-5	approved	B	5.0.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-020189	25.420	024	4	4.1.0	Rel-5	Introduction of IP transport to UTRAN	approved	B	5.0.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-020168	25.420	025	1	3.4.0	R99	SCCP Connection Release Initiated by RNC in Abnormal case	approved	F	3.5.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-020168	25.420	026	1	4.1.0	Rel-4	SCCP Connection Release Initiated by RNC in Abnormal case	approved	A	4.2.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-020189	25.422	011	1	4.1.0	Rel-5	Introduction of IP transport in UTRAN	approved	B	5.0.0	UTRAN Iur interface signalling transport	R3
RP-020188	25.423	433	4	4.3.0	Rel-5	Power Balancing Activation with Radio Link Setup and Radio Link Addition procedures in RNSAP	approved	C	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020188	25.423	434	3	4.3.0	Rel-5	Power Balancing Restart with Radio Link Reconfiguration procedure in RNSAP	approved	C	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020188	25.423	473	2	4.3.0	Rel-5	Traffic class signalling over Iur	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020188	25.423	506	2	4.3.0	Rel-5	Alignment to RAN4 specifications for CPICH Ec/No	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020169	25.423	541	3	3.8.0	R99	RNSAP signalling support for flexible split	approved	F	3.9.0	UTRAN Iur interface RNSAP signalling	R3
RP-020169	25.423	542	3	4.3.0	Rel-4	RNSAP signalling support for flexible split	approved	A	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020194	25.423	543	3	4.3.0	Rel-5	RNSAP Signalling support for flexible hard split	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020193	25.423	544	2	4.3.0	Rel-5	Add IPDL TDD parameters for LCR in RNSAP information element functional definition and contents	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020181	25.423	545	1	4.3.0	Rel-4	Corrections to the Information Exchange Initiation procedure	approved	F	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020181	25.423	546	1	4.3.0	Rel-4	Correction to UE position measurements quality and threshold information	approved	F	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020181	25.423	547	1	4.3.0	Rel-4	Correction to UE position measurements change and deviation limit formulas	approved	F	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020169	25.423	548	1	3.8.0	R99	Setting of Initial power in a new CCTrCH in TDD	approved	F	3.9.0	UTRAN Iur interface RNSAP signalling	R3
RP-020169	25.423	549	1	4.3.0	Rel-4	Setting of Initial power in a new CCTrCH in TDD	approved	A	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020169	25.423	551	1	3.8.0	R99	Removal of obsolete IMSI from ASN.1	approved	F	3.9.0	UTRAN Iur interface RNSAP signalling	R3
RP-020181	25.423	552		4.3.0	Rel-4	Re-ordering of cause values	approved	F	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020192	25.423	553	1	4.3.0	Rel-5	Introduction of cell capability container over Iur	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020213	25.423	554	2	4.3.0	Rel-5	Introduction of Qth signalling in UTRAN	postponed	C		UTRAN Iur interface RNSAP signalling	R3
RP-020189	25.423	555	2	4.3.0	Rel-5	Introduction of the IP Transport option into RNSAP	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020197	25.423	556	1	4.3.0	Rel-5	Iur Common Transport Channel Efficiency Optimisation	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020188	25.423	558		4.3.0	Rel-5	RNSAP Reset procedure	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020169	25.423	559		3.8.0	R99	Clarification to measurement unit at Higher Layer Filtering.	approved	F	3.9.0	UTRAN Iur interface RNSAP signalling	R3
RP-020169	25.423	560		4.3.0	Rel-4	Clarification to measurement unit at Higher Layer Filtering.	approved	A	4.4.0	UTRAN Iur interface RNSAP signalling	R3

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RP-020181	25.423	561		4.3.0	Rel-4	Clarification to the Allowed Rate Information in RL Setup/Addition/Reconfiguration response and RL Reconfiguration Ready messages.	approved	F	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020181	25.423	562	1	4.3.0	Rel-4	Modification of the T_utran-gps length	approved	F	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020199	25.423	563	2	4.3.0	Rel-5	Separation of Resource Reservation and Radio Link Activation	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020196	25.423	564		4.3.0	Rel-5	Introduction of RL Timing Adjustment support	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020181	25.423	567		4.3.0	Rel-4	Amendment of the COMMON MEASUREMENT INITIATION REQUEST message	approved	F	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020193	25.423	568	1	4.3.0	Rel-5	Introduction of the Neighbouring TDD Cell Measurement Information LCR	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020188	25.423	569	1	4.3.0	Rel-5	Uplink SIR Target in RL Setup Response TDD	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020190	25.423	570	3	4.3.0	Rel-5	HSDPA RL-Level Signalling	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020193	25.423	571	1	4.3.0	Rel-5	Introduction of Angle of Arrival enhanced positioning for 1.28Mcps TDD in RNSAP	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020188	25.423	572	2	4.3.0	Rel-5	Traffic class signalling for USCH	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020169	25.423	573	2	3.8.0	R99	New UE identifier for MAC-c/sh multiplexing for DSCH	approved	F	3.9.0	UTRAN Iur interface RNSAP signalling	R3
RP-020169	25.423	574	2	4.3.0	Rel-4	New UE identifier for MAC-c/sh multiplexing for DSCH	approved	A	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020181	25.423	576	2	4.3.0	Rel-4	Load Value Extension	approved	F	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020188	25.423	577	4	4.3.0	Rel-5	New Measurement Type in Common Measurements	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020169	25.423	580	1	3.8.0	R99	Correction to physical channels which SCTD can be applied (Iur)	approved	F	3.9.0	UTRAN Iur interface RNSAP signalling	R3
RP-020169	25.423	581	1	4.3.0	Rel-4	Correction to physical channels which SCTD can be applied (Iur)	approved	A	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020194	25.423	582	3	4.3.0	Rel-5	RNSAP changes for TFCI power control in DSCH hard split mode	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020187	25.423	585	1	3.8.0	R99	Removing of channel coding option "no coding" for FDD and 3.84Mcps TDD	withdrawn	F		UTRAN Iur interface RNSAP signalling	R3
RP-020231	25.423	585	2	3.8.0	R99	Removing of channel coding option "no coding" for FDD and 3.84Mcps TDD	approved	F	3.9.0	UTRAN Iur interface RNSAP signalling	R3
RP-020187	25.423	586	1	4.3.0	Rel-4	Removing of channel coding option "no coding" for FDD & 3.84Mcps TDD RNSAP R4	withdrawn	A		UTRAN Iur interface RNSAP signalling	R3
RP-020231	25.423	586	2	4.3.0	Rel-4	Removing of channel coding option "no coding" for FDD & 3.84Mcps TDD RNSAP R4	approved	A	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020188	25.423	587	1	4.3.0	Rel-5	Introduction of cell relation parameter	approved	B	5.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-020181	25.423	588		4.3.0	Rel-4	The correction on duplicated allocatioin of protocolIE-ID	approved	F	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020181	25.423	589		4.3.0	Rel-4	Enhanced DSCH and syntax error ASN.1 correction	approved	F	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020181	25.423	596	1	4.3.0	Rel-4	Introduction of ellipses for IPDL parameters	approved	F	4.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020171	25.424	014		3.7.0	R99	Alignment of 25.424 to 25.426	withdrawn	F		UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-020171	25.424	015		4.1.0	Rel-4	Alignment of 25.424 to 25.426	withdrawn	A		UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-020171	25.424	016		3.7.0	R99	Correction to transport bearers release initiation	withdrawn	F		UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-020171	25.424	017		4.1.0	Rel-4	Correction to transport bearers release initiation	withdrawn	A		UTRAN Iur interface data transport & transport signalling for CCH data streams	R3

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RP-020171	25.424	018		3.7.0	R99	Alignment of 25.424 to 25.426 and Correction to transport bearers release initiation	approved	F	3.8.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-020171	25.424	019		4.1.0	Rel-4	Alignment of 25.424 to 25.426 and Correction to transport bearers release initiation	approved	A	4.2.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-020189	25.424	020	1	4.1.0	Rel-5	Introduction of IP transport in UTRAN	approved	B	5.0.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-020190	25.425	044	2	4.2.0	Rel-5	HSDPA Frame Protocol	approved	B	5.0.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-020172	25.425	045		3.6.0	R99	Transport Bearer replacement for the USCH	approved	F	3.7.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-020172	25.425	046		4.2.0	Rel-4	Transport Bearer replacement for the USCH	approved	A	4.3.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-020173	25.426	020	1	3.7.0	R99	Correction to transport bearers release initiation	approved	F	3.8.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-020173	25.426	021	1	4.1.0	Rel-4	Correction to transport bearers release initiation	approved	A	4.2.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-020189	25.426	022	2	4.1.0	Rel-5	Introduction of IP transport option in UTRAN	approved	B	5.0.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-020194	25.427	082	1	4.3.0	Rel-5	DCH FP changes for TFCI power control in DSCH hard split mode	approved	B	5.0.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-020198	25.430	028		4.2.0	Rel-5	Communication Control Port Re-selection	approved	B	5.0.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-020190	25.430	029	2	4.2.0	Rel-5	HSDPA Additions for REL-5	approved	B	5.0.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-020189	25.430	030	1	4.2.0	Rel-5	Introduction of IP Transport option in UTRAN	approved	B	5.0.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-020189	25.432	001	2	4.0.0	Rel-5	Introduction of IP Transport UTRAN	approved	B	5.0.0	UTRAN Iub interface: signalling transport	R3
RP-020188	25.433	425	4	4.3.0	Rel-5	DL Power Capability as a shared resource between Cells	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020188	25.433	496	4	4.3.0	Rel-5	Power Balancing Activation with Radio Link Setup and Radio Link Addition procedures in NBAP	approved	C	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020188	25.433	497	3	4.3.0	Rel-5	Power Balancing Restart with Radio Link Reconfiguration procedure in NBAP	approved	C	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020188	25.433	502	2	4.3.0	Rel-5	Initial DL Power Per CCTrCH	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020194	25.433	583		4.3.0	Rel-5	NBAP Signalling support for flexible hard split	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020193	25.433	584	3	4.3.0	Rel-5	Add IPDL parameters for LCR TDD in CELL SETUP REQUEST and CELL RECONFIGURATION REQUEST in NBAP message.	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020182	25.433	585	1	4.3.0	Rel-4	Corrections to the Information Exchange Initiation procedure	approved	F	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020182	25.433	586	1	4.3.0	Rel-4	Correction to UE position measurements quality and threshold information	approved	F	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020182	25.433	587	1	4.3.0	Rel-4	Correction to UE position measurements change and deviation limit formulas	approved	F	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020198	25.433	588	1	4.3.0	Rel-5	Re-arrangement of Iub Transport Bearers	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020190	25.433	589	2	4.3.0	Rel-5	HSDPA NBAP Common Procedure Modifications	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3

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RP-020174	25.433	590	1	3.8.0	R99	Incorrect Physical Shared Channel TDD Procedure definition	approved	F	3.9.0	UTRAN Iub interface NBAP signalling	R3
RP-020174	25.433	591		4.3.0	Rel-4	Incorrect Physical Shared Channel TDD Procedure definition in ASN.1	approved	A	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020174	25.433	592	1	3.8.0	R99	Removal of criticality information for Transaction ID in the ERROR INDICATION message	approved	F	3.9.0	UTRAN Iub interface NBAP signalling	R3
RP-020174	25.433	593		4.3.0	Rel-4	Removal of criticality information for Transaction ID in the ERROR INDICATION message	approved	A	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020213	25.433	595	2	4.3.0	Rel-5	Introduction of Qth signalling in UTRAN	postponed	C		UTRAN Iub interface NBAP signalling	R3
RP-020189	25.433	597	2	4.3.0	Rel-5	Introduction of the IP Transport option into NBAP	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020188	25.433	598		4.3.0	Rel-5	Introduction separate max PDSCH power limitation	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020174	25.433	599		3.8.0	R99	Clarification to measurement unit at Higher Layer Filtering.	approved	F	3.9.0	UTRAN Iub interface NBAP signalling	R3
RP-020174	25.433	600		4.3.0	Rel-4	Clarification to measurement unit at Higher Layer Filtering.	approved	A	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020182	25.433	601	1	4.3.0	Rel-4	Modification of the T_utran-gps length	approved	F	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020199	25.433	602	2	4.3.0	Rel-5	Separation of Resource Reservation and Radio Link Activation	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020196	25.433	603		4.3.0	Rel-5	Introduction of RL Timing Adjustment support	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020174	25.433	604		3.8.0	R99	Correction of the Limited Power Increase in Synchronised Radio Link Reconfiguration Preparation	approved	F	3.9.0	UTRAN Iub interface NBAP signalling	R3
RP-020174	25.433	605		4.3.0	Rel-4	Correction of the Limited Power Increase in Synchronised Radio Link Reconfiguration Preparation	approved	A	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020182	25.433	606		4.3.0	Rel-4	Amendment of the COMMON MEASUREMENT INITIATION REQUEST message	approved	F	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020193	25.433	607	1	4.3.0	Rel-5	Introduction of the Neighbouring TDD Cell Measurement Information LCR	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020191	25.433	608	2	4.3.0	Rel-5	Node B synchronisation for 1.28Mcps TDD	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020182	25.433	609	1	4.3.0	Rel-4	ASN.1 and tabular amendments for LCR TDD	approved	F	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020182	25.433	610		4.3.0	Rel-4	Midamble shift LCR in the PHYSICAL SAHRED SCHANNEL RECONFIGURATION REQUEST [TDD] message	approved	F	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020190	25.433	612	3	4.3.0	Rel-5	HSDPA RL-Level Signalling for TDD & FDD	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020193	25.433	613	1	4.3.0	Rel-5	Introduction of Angle of Arrival enhanced positioning for 1.28Mcps TDD in NBAP	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020182	25.433	617		4.3.0	Rel-4	NBAP Rapporteur corrections	approved	F	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020174	25.433	622	1	3.8.0	R99	Correction to physical channels which SCTD can be applied (Iub)	approved	F	3.9.0	UTRAN Iub interface NBAP signalling	R3
RP-020174	25.433	623	1	4.3.0	Rel-4	Correction to physical channels which SCTD can be applied (Iub)	approved	A	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020194	25.433	626		4.3.0	Rel-5	NBAP changes for TFCI power control in DSCH hard split mode	approved	B	5.0.0	UTRAN Iub interface NBAP signalling	R3
RP-020187	25.433	627	1	3.8.0	R99	Removing of channel coding option "no coding" for FDD & 3.84Mcps TDD NBAP R99	withdrawn	F		UTRAN Iub interface NBAP signalling	R3
RP-020231	25.433	627	2	3.8.0	R99	Removing of channel coding option "no coding" for FDD & 3.84Mcps TDD NBAP R99	approved	F	3.9.0	UTRAN Iub interface NBAP signalling	R3
RP-020187	25.433	628	1	4.3.0	Rel-4	Removing of channel coding option "no coding" for FDD & 3.84Mcps TDD NBAP R4	withdrawn	A		UTRAN Iub interface NBAP signalling	R3

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RP-020231	25.433	628	2	4.3.0	Rel-4	Removing of channel coding option "no coding" for FDD & 3.84Mcps TDD NBAP R4	approved	A	4.4.0	UTRAN Iub interface NBAP signalling	R3
RP-020175	25.434	015		3.6.0	R99	Alignment of 25.434 to 25.426	withdrawn	F		UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-020175	25.434	016		4.2.0	Rel-4	Alignment of 25.434 to 25.426	withdrawn	A		UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-020175	25.434	017	1	3.6.0	R99	Correction to transport bearers release initiation	withdrawn	F		UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-020175	25.434	018	1	4.2.0	Rel-4	Correction to transport bearers release initiation	withdrawn	A		UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-020175	25.434	019	1	3.6.0	R99	Alignment of 25.434 to 25.426 and Correction to transport bearers release initiation	approved	F	3.7.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-020175	25.434	020	1	4.2.0	Rel-4	Alignment of 25.434 to 25.426 and Correction to transport bearers release initiation	approved	A	4.3.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-020189	25.434	021	5	4.2.0	Rel-5	Introduction of IP Transport UTRAN	approved	B	5.0.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-020190	25.435	075	1	4.3.0	Rel-5	HSDPA Frame Protocol	approved	B	5.0.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-020223	25.435	076	1	3.9.0	R99	Transport Bearer replacement for the USCH	approved	F	3.10.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-020176	25.435	076	1	3.9.0	R99	Transport Bearer replacement for the USCH	revised	F		UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-020223	25.435	076	2	3.9.0	R99	Transport Bearer replacement for the USCH	approved	F	3.10.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-020176	25.435	077	1	4.3.0	Rel-4	Transport Bearer replacement for the USCH	revised	A		UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-020223	25.435	077	2	4.3.0	Rel-4	Transport Bearer replacement for the USCH	approved	A	4.4.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-020189	25.442	002	1	4.0.0	Rel-5	Introduction of IP transport option in UTRAN	approved	B	5.0.0	UTRAN implementation-specific O&M transport	R3
RP-020211	25.453	016		5.2.0	Rel-5	Modification on the Object Identifier	approved	F	5.3.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-020177	25.931	014		3.5.0	R99	Corrections and updates	approved	F	3.6.0	UTRAN Functions, examples on signalling procedures	R3
RP-020177	25.931	015		4.2.0	Rel-4	Corrections and updates	approved	A	4.3.0	UTRAN Functions, examples on signalling procedures	R3
RP-020177	25.931	016	1	3.5.0	R99	DSCH-related additions to Handover scenarios	approved	F	3.6.0	UTRAN Functions, examples on signalling procedures	R3
RP-020177	25.931	017	1	4.2.0	Rel-4	DSCH-related additions to Handover scenarios	approved	A	4.3.0	UTRAN Functions, examples on signalling procedures	R3
RP-020183	25.935	002		4.0.0	Rel-4	Description of causes of DRNS congestion	approved	F	4.1.0	RRM optimisation	R3
RP-020039	25.101	145	1	5.1.0	Rel-5	Correction of Change of TFC	approved	F	5.2.0	UE Radio transmission and reception (FDD)	R4
RP-020034	25.101	148		5.1.0	Rel-5	Corrections to UMTS1800/1900 requirements	approved	F	5.2.0	UE Radio transmission and reception (FDD)	R4
RP-020034	25.101	149		5.1.0	Rel-5	Additional spurious emission requirements for band III	approved	B	5.2.0	UE Radio transmission and reception (FDD)	R4

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RP-020014	25.101	154	1	3.9.0	R99	Power setting for uplink compressed mode	approved	F	3.10.0	UE Radio transmission and reception (FDD)	R4
RP-020014	25.101	155	1	4.3.0	Rel-4	Power setting for uplink compressed mode	approved	A	4.4.0	UE Radio transmission and reception (FDD)	R4
RP-020014	25.101	156	1	5.1.0	Rel-5	Power setting for uplink compressed mode	approved	A	5.2.0	UE Radio transmission and reception (FDD)	R4
RP-020014	25.101	157	1	3.9.0	R99	Correction of power terms and definitions	approved	F	3.10.0	UE Radio transmission and reception (FDD)	R4
RP-020014	25.101	158	1	3.9.0	R99	Correction of power spectral density	approved	F	3.10.0	UE Radio transmission and reception (FDD)	R4
RP-020014	25.101	159		4.3.0	Rel-4	Correction of power terms and definitions	approved	A	4.4.0	UE Radio transmission and reception (FDD)	R4
RP-020014	25.101	160		5.1.0	Rel-5	Correction of power terms and definitions	approved	A	5.2.0	UE Radio transmission and reception (FDD)	R4
RP-020014	25.101	161		4.3.0	Rel-4	Correction of power spectral density	approved	A	4.4.0	UE Radio transmission and reception (FDD)	R4
RP-020014	25.101	162		5.1.0	Rel-5	Correction of power spectral density	approved	A	5.2.0	UE Radio transmission and reception (FDD)	R4
RP-020015	25.102	86	1	3.9.0	R99	Replacement of Block STTD by Space Code Transmit Diversity (SCTD)	approved	F	3.10.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020015	25.102	87	1	4.3.0	Rel-4	Replacement of Block STTD by Space Code Transmit Diversity (SCTD)	approved	A	4.4.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020015	25.102	88		3.9.0	R99	UL reference measurement channel (12.2 kbps) puncturing rate and bit length correction	approved	F	3.10.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020015	25.102	89		4.3.0	Rel-4	UL reference measurement channel (12.2 kbps) puncturing rate and bit length correction	approved	A	4.4.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020026	25.102	94		4.3.0	Rel-4	Addition of channelization code, scrambling code and midamble code parameter for UE performance requirements (1.28Mcps TDD)	approved	F	4.4.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020016	25.104	100	1	3.9.0	R99	Removal of BS performance requirements in SSDT mode	approved	F	3.10.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020016	25.104	101	1	4.3.0	Rel-4	Removal of BS performance requirements in SSDT mode	approved	A	4.4.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020016	25.104	102	1	5.1.0	Rel-5	Removal of BS performance requirements in SSDT mode	approved	A	5.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020039	25.104	105	2	5.1.0	Rel-5	Correction of reference measurement channel for 2048 kbps	approved	F	5.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020034	25.104	108		5.1.0	Rel-5	Corrections to UMTS1800/1900 requirements	approved	F	5.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020035	25.104	109		5.1.0	Rel-5	Co-existence with GSM850 for band II operations	approved	B	5.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020039	25.104	113	1	5.1.0	Rel-5	Correction to units in spectrum emission mask	approved	F	5.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020016	25.104	114	1	3.9.0	R99	Correction of power terms and definitions	approved	F	3.10.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020016	25.104	116		4.3.0	Rel-4	Correction of power terms and definitions	approved	A	4.4.0	UTRA (BS) FDD; Radio transmission and reception	R4

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RP-020016	25.104	117		5.1.0	Rel-5	Correction of power terms and definitions	approved	A	5.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020038	25.104	120	1	5.1.0	Rel-5	Regional requirement on HSDPA	approved	D	5.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020017	25.105	100	1	4.3.0	Rel-4	Consideration of multi-carrier operation in ACLR requirements	approved	A	4.4.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020027	25.105	101	1	4.3.0	Rel-4	Consideration of multi-carrier operation in ACLR requirements for 1.28 Mcps TDD option	approved	F	4.4.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020017	25.105	102		3.9.0	R99	Single and multi carrier in spurious emissions requirements	approved	F	3.10.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020017	25.105	103		4.3.0	Rel-4	Single and multi carrier in spurious emissions requirements	approved	A	4.4.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020027	25.105	104		4.3.0	Rel-4	Single and multi carrier in spurious emissions requirements for 1.28 Mcps TDD option	approved	F	4.4.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020027	25.105	106		4.3.0	Rel-4	Addition of channelization code, scrambling code and midamble code parameter for BS performance requirements (1.28Mcps TDD)	approved	F	4.4.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020039	25.105	107		4.3.0	Rel-5	Correction to units in spectrum emission mask	approved	F	5.0.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020032	25.105	108		4.3.0	Rel-5	Correction to units in Spectrum emission mask for 1.28 Mcps TDD option	approved	F	5.0.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020017	25.105	88		3.9.0	R99	UL reference measurement channel (12.2 kbps) puncturing rate correction	approved	F	3.10.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020017	25.105	89		4.3.0	Rel-4	UL reference measurement channel (12.2 kbps) puncturing rate correction	approved	A	4.4.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020027	25.105	97	1	4.3.0	Rel-4	Amendment for BS ACLR2 of 1.28 Mcps TDD option	approved	F	4.4.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020027	25.105	98	1	4.3.0	Rel-4	Amendment for BS Spectrum Emission Mask of 1.28Mcps TDD option	approved	F	4.4.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020017	25.105	99	1	3.9.0	R99	Consideration of multi-carrier operation in ACLR requirements	approved	F	3.10.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020033	25.106	4		4.2.0	Rel-5	Correction to units in Spectrum emission mask	approved	F	5.0.0	UTRA Repeater; Radio transmission and reception	R4
RP-020018	25.123	141	1	3.8.0	R99	Introduction TDD/TDD Handover Test Cases	approved	F	3.9.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	142		3.8.0	R99	Corrections to Section 9	approved	F	3.9.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	143		3.8.0	R99	Removal of section 6 on DCA	approved	F	3.9.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	144		3.8.0	R99	Requirements on UE TS ISCP measurement	approved	F	3.9.0	Requirements for support of radio resource management (TDD)	R4
RP-020019	25.123	145	1	3.8.0	R99	Corrections measurement requirements in CELL_DCH and CELL_FACH states	approved	F	3.9.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	146		3.8.0	R99	Corrections to reporting requirements in CELL_FACH state	approved	F	3.9.0	Requirements for support of radio resource management (TDD)	R4
RP-020019	25.123	147	1	3.8.0	R99	Introduction of Test Case for correct event 1H/I reporting	approved	F	3.9.0	Requirements for support of radio resource management (TDD)	R4

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RP-020018	25.123	148	1	3.8.0	R99	Introduction TDD/FDD Handover Test Case	approved	F	3.9.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	150		3.8.0	R99	Corrections to Timing Advance requirements	approved	F	3.9.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	151	1	3.8.0	R99	Introduction of Timing Advance Test Case	approved	F	3.9.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	152		3.8.0	R99	Correction of OCNS level settings in Annex A test cases	approved	F	3.9.0	Requirements for support of radio resource management (TDD)	R4
RP-020019	25.123	154	1	3.8.0	R99	Corrections to Idle Mode sections	approved	F	3.9.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	155	1	4.3.0	Rel-4	Introduction TDD/TDD Handover Test Cases	approved	A	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	156		4.3.0	Rel-4	Corrections to Section 9	approved	A	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	157		4.3.0	Rel-4	Removal of section 6 on DCA	approved	A	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	158		4.3.0	Rel-4	Requirements on UE TS ISCP measurement	approved	A	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	159		4.3.0	Rel-4	Corrections to reporting requirements in CELL_FACH state	approved	A	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	160	1	4.3.0	Rel-4	Introduction TDD/FDD Handover Test Case	approved	A	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	162		4.3.0	Rel-4	Corrections to Timing Advance requirements	approved	A	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	163	1	4.3.0	Rel-4	Introduction of Timing Advance Test Case	approved	A	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020018	25.123	164		4.3.0	Rel-4	Correction of OCNS level settings in Annex A test cases	approved	A	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020019	25.123	166	1	4.3.0	Rel-4	Corrections measurement requirements in CELL_DCH and CELL_FACH states	approved	A	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020019	25.123	167	1	4.3.0	Rel-4	Introduction of Test Case for correct event 1H/I reporting	approved	A	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020019	25.123	168	1	4.3.0	Rel-4	Corrections to Idle Mode sections	approved	A	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020037	25.123	169	1	4.4.0	Rel-5	UE Positioning enhancements for 1.28 Mcps TDD	approved	B	5.0.0	Requirements for support of radio resource management (TDD)	R4
RP-020028	25.123	170	1	4.3.0	Rel-4	Chapter 8 measurements Cell-DCH	approved	F	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020028	25.123	171		4.3.0	Rel-4	Chapter 8 measurements Cell-FACH	approved	F	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020028	25.123	172		4.3.0	Rel-4	Section 9 corrections	approved	F	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020028	25.123	173		4.3.0	Rel-4	Correction of NodeB Synchronisation mapping type 1 for 3.84Mcps TDD	approved	F	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020028	25.123	174		4.3.0	Rel-4	Correction of 1.28Mcps TDD GSM cell re-selection test case	approved	F	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020036	25.123	175		4.4.0	Rel-5	NodeB Synchronisation Measurements performance requirements for 1.28Mcps TDD	approved	B	5.0.0	Requirements for support of radio resource management (TDD)	R4

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RP-020028	25.123	176		4.3.0	Rel-4	Section 4 and 5 wording clarification for 1.28 Mcps TDD option	approved	F	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020028	25.123	177		4.3.0	Rel-4	General corrections in section A4-A5 for 1.28 Mcps TDD option	approved	F	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020028	25.123	178		4.3.0	Rel-4	Correction of RRC connection re-establishment section for 1.28 Mcps TDD option	approved	F	4.4.0	Requirements for support of radio resource management (TDD)	R4
RP-020039	25.123	181		4.4.0	Rel-5	Corrections to Event-Triggering and Reporting Criteria in CELL_DCH	approved	F	5.0.0	Requirements for support of radio resource management (TDD)	R4
RP-020039	25.133	246	1	5.1.0	Rel-5	Test description addition to chapter 9.2	approved	F	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	250	1	3.8.0	R99	FDD/FDD Soft Handover delay test case	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	251	1	4.3.0	Rel-4	FDD/FDD Soft Handover delay test case	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	252	1	5.1.0	Rel-5	FDD/FDD Soft Handover delay test case	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	253	1	3.8.0	R99	Inter-frequency hard handover test case	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	254	1	4.3.0	Rel-4	Inter-frequency hard handover test case	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	255	1	5.1.0	Rel-5	Inter-frequency hard handover test case	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	256		3.8.0	R99	Clarification of measurement period for UTRA Carrier RSSI	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	257		4.3.0	Rel-4	Clarification of measurement period for UTRA Carrier RSSI	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	258		5.1.0	Rel-5	Clarification of measurement period for UTRA Carrier RSSI	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	259	1	3.8.0	R99	Mapping of UE Rx-Tx time difference type 1	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	260	1	4.3.0	Rel-4	Mapping of UE Rx-Tx time difference type 1	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	261	1	5.1.0	Rel-5	Mapping of UE Rx-Tx time difference type 1	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	262	1	3.8.0	R99	Inter-frequency measurements in CELL_FACH	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	263	1	4.3.0	Rel-4	Inter-frequency measurements in CELL_FACH	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	264	1	5.1.0	Rel-5	Inter-frequency measurements in CELL_FACH	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	268	1	3.8.0	R99	Correction of Cell reselection in CELL FACH	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	269	1	4.3.0	Rel-4	Correction of Cell reselection in CELL FACH	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	270	1	5.1.0	Rel-5	Correction of Cell reselection in CELL FACH	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	277	1	3.8.0	R99	Corrections to RRC connection re-establishment requirement	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4

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RP-020021	25.133	278	1	4.3.0	Rel-4	Corrections to RRC connection re-establishment requirement	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	279	1	5.1.0	Rel-5	Corrections to RRC connection re-establishment requirement	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	280	1	3.8.0	R99	Corrections to RRC connection re-establishment test cases	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	281	1	4.3.0	Rel-4	Corrections to RRC connection re-establishment test cases	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	282	1	5.1.0	Rel-5	Corrections to RRC connection re-establishment test cases	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	283	1	3.8.0	R99	Correction of hard handover test cases	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	284	1	4.3.0	Rel-4	Correction of hard handover test cases	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020021	25.133	285	1	5.1.0	Rel-5	Correction of hard handover test cases	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	291	1	3.8.0	R99	FDD inter frequency measurements and test cases	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	292	1	3.8.0	R99	UE Tx Timing in soft handover	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	294	1	4.3.0	Rel-4	FDD inter frequency measurements and test cases	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	295	1	5.1.0	Rel-5	FDD inter frequency measurements and test cases	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	296	1	4.3.0	Rel-4	UE Tx Timing in soft handover	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	297	1	5.1.0	Rel-5	UE Tx Timing in soft handover	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	300	1	3.8.0	R99	SFN decoding for identification of a new cell	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	301	1	4.3.0	Rel-4	SFN decoding for identification of a new cell	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	302	1	5.1.0	Rel-5	SFN decoding for identification of a new cell	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	303		3.8.0	R99	UTRAN GSM Cell Reselection	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	304		4.3.0	Rel-4	UTRAN GSM Cell Reselection	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	305		5.1.0	Rel-5	UTRAN GSM Cell Reselection	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	307	1	3.8.0	R99	Correction of power spectral density	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	310		4.3.0	Rel-4	Correction of power spectral density	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	311		5.1.0	Rel-5	Correction of power spectral density	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	312	1	3.8.0	R99	Inclusion of AMR 2 requirement (R99)	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4

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RP-020020	25.133	313	1	4.3.0	Rel-4	Inclusion of AMR 2 requirement (Rel-4)	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	314	1	5.1.0	Rel-5	Inclusion of AMR 2 requirement (Rel-5)	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	315		3.8.0	R99	Requirement for Blind HO from UTRAN to GSM (R99)	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	316		4.3.0	Rel-4	Requirement for Blind HO from UTRAN to GSM (Rel-4)	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020020	25.133	317		5.1.0	Rel-5	Requirement for Blind HO from UTRAN to GSM (Rel-5)	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	325		3.8.0	R99	Corrections to section 9	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	326		4.3.0	Rel-4	Corrections to section 9	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	327		5.1.0	Rel-5	Corrections to section 9	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	328		3.8.0	R99	Correction of Cell Reselection in idle mode test case	approved	F	3.9.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	329		4.3.0	Rel-4	Correction of Cell Reselection in idle mode test case	approved	A	4.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020022	25.133	330		5.1.0	Rel-5	Correction of Cell Reselection in idle mode test case	approved	A	5.2.0	Requirements for support of radio resource management (FDD)	R4
RP-020024	25.141	144	1	3.8.0	R99	Removal of BS conformance tests in SSDT mode	approved	F	3.9.0	Base station conformance testing (FDD)	R4
RP-020024	25.141	145	1	4.3.0	Rel-4	Removal of BS conformance tests in SSDT mode	approved	A	4.4.0	Base station conformance testing (FDD)	R4
RP-020024	25.141	146	1	5.1.0	Rel-5	Removal of BS conformance tests in SSDT mode	approved	A	5.2.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	147		3.8.0	R99	Frequency error and Test model 4	approved	F	3.9.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	148		4.3.0	Rel-4	Frequency error and Test model 4	approved	A	4.4.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	149		5.1.0	Rel-5	Frequency error and Test model 4	approved	A	5.2.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	150		3.8.0	R99	The definition of AWGN interferer	approved	F	3.9.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	151		4.3.0	Rel-4	The definition of AWGN interferer	approved	A	4.4.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	152		5.1.0	Rel-5	The definition of AWGN interferer	approved	A	5.2.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	153		3.8.0	R99	Single and Multicarrier in spurious emission requirements	approved	F	3.9.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	154		4.3.0	Rel-4	Single and Multicarrier in spurious emission requirements	approved	A	4.4.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	155		5.1.0	Rel-5	Single and Multicarrier in spurious emission requirements	approved	A	5.2.0	Base station conformance testing (FDD)	R4
RP-020039	25.141	158	1	5.1.0	Rel-5	Correction of reference measurement channel for 2048 kbps	approved	F	5.2.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	159	1	3.8.0	R99	Correction for FCC emission mask and frequency raster for band b (UMTS1900)	approved	F	3.9.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	160	1	4.3.0	Rel-4	Correction for FCC emission mask and frequency raster for band b (UMTS1900)	approved	A	4.4.0	Base station conformance testing (FDD)	R4
RP-020029	25.141	163		4.3.0	Rel-4	Fading generator for RACH preamble detection and RACH message demodulation	approved	F	4.4.0	Base station conformance testing (FDD)	R4
RP-020029	25.141	164		5.1.0	Rel-5	Fading generator for RACH preamble detection and RACH message demodulation	approved	A	5.2.0	Base station conformance testing (FDD)	R4
RP-020039	25.141	167	1	5.1.0	Rel-5	Correction to units in spectrum emission mask	approved	F	5.2.0	Base station conformance testing (FDD)	R4
RP-020024	25.141	171	1	3.8.0	R99	Correction of power terms and definitions	approved	F	3.9.0	Base station conformance testing (FDD)	R4
RP-020024	25.141	173		4.3.0	Rel-4	Correction of power terms and definitions	approved	A	4.4.0	Base station conformance testing (FDD)	R4

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RP-020024	25.141	174		5.1.0	Rel-5	Correction of power terms and definitions	approved	A	5.2.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	177		3.8.0	R99	Maintenance of annex E, Global In-Channel TX-Test	approved	F	3.9.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	178		4.3.0	Rel-4	Maintenance of annex E, Global In-Channel TX-Test	approved	A	4.4.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	179		5.1.0	Rel-5	Maintenance of annex E, Global In-Channel TX-Test	approved	A	5.2.0	Base station conformance testing (FDD)	R4
RP-020034	25.141	186	1	5.1.0	Rel-5	REL-5 frequency band restructure and essential corrections for Band II and Band III	approved	B	5.2.0	Base station conformance testing (FDD)	R4
RP-020024	25.141	187	1	3.8.0	R99	Correction of transmit inter modulation test method	approved	F	3.9.0	Base station conformance testing (FDD)	R4
RP-020024	25.141	188	1	4.3.0	Rel-4	Correction of transmit inter modulation test method	approved	A	4.4.0	Base station conformance testing (FDD)	R4
RP-020024	25.141	189	1	5.1.0	Rel-5	Correction of transmit inter modulation test method	approved	A	5.2.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	190		3.8.0	R99	Correction of EVM test procedure	approved	F	3.9.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	191		4.3.0	Rel-4	Correction of EVM test procedure	approved	A	4.4.0	Base station conformance testing (FDD)	R4
RP-020023	25.141	192		5.1.0	Rel-5	Correction of EVM test procedure	approved	A	5.2.0	Base station conformance testing (FDD)	R4
RP-020038	25.141	193	1	5.1.0	Rel-5	Regional requirement on HSDPA	approved	D	5.2.0	Base station conformance testing (FDD)	R4
RP-020035	25.141	194		5.1.0	Rel-5	Addition of requirements for GSM850 co-siting	approved	B	5.2.0	Base station conformance testing (FDD)	R4
RP-020024	25.141	195	1	3.8.0	R99	TBD on test tolerances	revised	F		Base station conformance testing (FDD)	R4
RP-020115	25.141	195	2	3.8.0	R99	TBDs on test tolerances	approved	F	3.9.0	Base station conformance testing (FDD)	R4
RP-020024	25.141	196	1	4.3.0	Rel-4	TBD on test tolerances	revised	A		Base station conformance testing (FDD)	R4
RP-020115	25.141	196	2	4.3.0	Rel-4	TBDs on test tolerances	approved	A	4.4.0	Base station conformance testing (FDD)	R4
RP-020024	25.141	197	1	5.1.0	Rel-5	TBD on test tolerances	revised	A		Base station conformance testing (FDD)	R4
RP-020115	25.141	197	2	5.1.0	Rel-5	TBDs on test tolerances	approved	A	5.2.0	Base station conformance testing (FDD)	R4
RP-020025	25.142	100		4.3.0	Rel-4	Single and multi carrier in spurious emissions conformance testing	approved	A	4.4.0	Base station conformance testing (TDD)	R4
RP-020030	25.142	101		4.3.0	Rel-4	Single and multi carrier in spurious emissions conformance testing for 1.28 Mcps TDD option	approved	F	4.4.0	Base station conformance testing (TDD)	R4
RP-020025	25.142	102	1	3.8.0	R99	Correction of transmit intermodulation conformance testing	approved	F	3.9.0	Base station conformance testing (TDD)	R4
RP-020025	25.142	103	1	4.3.0	Rel-4	Correction of transmit intermodulation conformance testing	approved	A	4.4.0	Base station conformance testing (TDD)	R4
RP-020030	25.142	104	1	4.3.0	Rel-4	Correction of transmit intermodulation conformance testing for 1.28 Mcps TDD option	approved	F	4.4.0	Base station conformance testing (TDD)	R4
RP-020025	25.142	106		3.8.0	R99	Maintenance of annex C, Global In-Channel TX-Test	approved	F	3.9.0	Base station conformance testing (TDD)	R4
RP-020025	25.142	107		4.3.0	Rel-4	Maintenance of annex C, Global In-Channel TX-Test	approved	A	4.4.0	Base station conformance testing (TDD)	R4
RP-020039	25.142	110		4.3.0	Rel-5	Correction to units in spectrum emission mask	approved	F	5.0.0	Base station conformance testing (TDD)	R4
RP-020032	25.142	111		4.3.0	Rel-5	Correction to units in Spectrum emission mask for 1.28 Mcps TDD option	approved	F	5.0.0	Base station conformance testing (TDD)	R4
RP-020030	25.142	94	1	4.3.0	Rel-4	Amendment for BS ACLR2 test of 1.28 Mcps TDD option	approved	F	4.4.0	Base station conformance testing (TDD)	R4
RP-020030	25.142	95	1	4.3.0	Rel-4	Amendment for BS Spectrum Emission Mask Test of 1.28Mcps TDD Option	approved	F	4.4.0	Base station conformance testing (TDD)	R4
RP-020025	25.142	96	1	3.8.0	R99	Consideration of multi-carrier operation in ACLR conformance testing	approved	F	3.9.0	Base station conformance testing (TDD)	R4
RP-020025	25.142	97	1	4.3.0	Rel-4	Consideration of multi-carrier operation in ACLR conformance testing	approved	A	4.4.0	Base station conformance testing (TDD)	R4
RP-020030	25.142	98	1	4.3.0	Rel-4	Consideration of multi-carrier operation in ACLR conformance testing for 1.28 Mcps TDD option	approved	F	4.4.0	Base station conformance testing (TDD)	R4
RP-020025	25.142	99		3.8.0	R99	Single and multi carrier in spurious emissions conformance testing	approved	F	3.9.0	Base station conformance testing (TDD)	R4
RP-020031	25.143	6		4.2.0	Rel-4	Correction of initial conditions in Spectrum emission mask and System set-up drawing of input intermodulation.	approved	F	4.3.0	UTRA repeater; Conformance testing	R4
RP-020033	25.143	7		4.2.0	Rel-5	Correction to units in Spectrum emission mask	approved	F	5.0.0	UTRA repeater; Conformance testing	R4

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SP-020046	21.905	030		5.2.0	Rel-5	new definition of the term 'service'	approved	B	5.3.0	Vocabulary for 3GPP Specifications	S1
SP-020063	21.905	031		5.2.0	Rel-5	Introduction of new abbreviations derived of the approval of 3GPP TS 23.236	approved	B	5.3.0	Vocabulary for 3GPP Specifications	S1
SP-020046	21.905	032		5.2.0	Rel-5	Introduction of the definitions of "pre-pay" and "post-pay" billing	approved	B	5.3.0	Vocabulary for 3GPP Specifications	S1
SP-020046	21.905	033		5.2.0	Rel-5	Replacement of the term UMTS with 3GPP system	approved	F	5.3.0	Vocabulary for 3GPP Specifications	S1
SP-020046	21.905	034		5.2.0	Rel-5	missing abbreviations	approved	B	5.3.0	Vocabulary for 3GPP Specifications	S1
SP-020046	21.905	035		5.2.0	Rel-5	new definition of the term 'application'	approved	B	5.3.0	Vocabulary for 3GPP Specifications	S1
SP-020046	21.905	036		5.2.0	Rel-5	definitions of online and offline charging	approved	B	5.3.0	Vocabulary for 3GPP Specifications	S1
SP-020046	21.905	037		5.2.0	Rel-5	Improved definition of the term "application"	approved	B	5.3.0	Vocabulary for 3GPP Specifications	S1
SP-020045	22.001	007	-	4.2.0	Rel-4	correct terms and references	approved	F	4.3.0	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	S1
SP-020045	22.003	009	-	4.2.0	Rel-4	correct terms and references	approved	F	4.3.0	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1
SP-020045	22.003	010	-	5.0.0	Rel-5	correct terms and references	approved	A	5.1.0	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1
SP-020121	22.003	011		5.0.0	Rel-5	Support of legacy trancievers in GERAN	revised	C		Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1
SP-020164	22.003	011	1	5.0.0	Rel-5	Support of legacy trancievers in GERAN	approved	C	5.1.0	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1
SP-020045	22.004	005	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	General on Supplementary Services	S1
SP-020042	22.011	044		3.6.0	R99	clarification of the term 'country'	revised	F		Service accessibility	S1
SP-020158	22.011	044	1	3.6.0	R99	CR to 22.011 R99: clarification of the term 'country'	approved	F	3.7.0	Service accessibility	S1
SP-020042	22.011	045		4.5.0	Rel-4	clarification of the term 'country'	revised	A		Service accessibility	S1
SP-020158	22.011	045	1	4.5.0	Rel-4	CR to 22.011 Rel-4: clarification of the term 'country'	approved	A	4.6.0	Service accessibility	S1
SP-020045	22.016	006	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	International Mobile Equipment Identities (IMEI)	S1
SP-020045	22.030	010	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Man-Machine Interface (MMI) of the User Equipment (UE)	S1
SP-020045	22.042	003	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Network Identity and Time Zone (NITZ) service description; Stage 1	S1
SP-020045	22.057	008	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Mobile Execution Environment (MExE) service description; Stage 1	S1
SP-020045	22.057	009	-	5.2.0	Rel-5	correct terms and references	approved	A	5.3.0	Mobile Execution Environment (MExE) service description; Stage 1	S1
SP-020045	22.060	022		5.0.0	Rel-5	change of references	approved	F	5.1.0	General Packet Radio Service (GPRS); Service description; Stage 1	S1
SP-020067	22.060	023		4.2.0	Rel-4	correct terms and references	approved	F	4.3.0	General Packet Radio Service (GPRS); Service description; Stage 1	S1
SP-020045	22.067	003	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	S1
SP-020047	22.071	030		5.0.0	Rel-5	Requestor	approved	B	5.1.0	Location Services (LCS); Stage 1	S1
SP-020047	22.071	031		5.0.0	Rel-5	Introducing service type privacy for location services	approved	B	5.1.0	Location Services (LCS); Stage 1	S1
SP-020047	22.071	032		5.0.0	Rel-5	Introduction of a Codeword Setting	approved	C	5.1.0	Location Services (LCS); Stage 1	S1
SP-020047	22.071	033		5.0.0	Rel-5	Clarifying checking of requester ID	approved	B	5.1.0	Location Services (LCS); Stage 1	S1
SP-020043	22.071	034		3.3.0	R99	Closure of a loophole in the privacy settings	approved	F	3.4.0	Location Services (LCS); Stage 1	S1

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SP-020043	22.071	035		4.3.0	Rel-4	Closure of a loophole in the privacy settings	approved	A	4.4.0	Location Services (LCS); Stage 1	S1
SP-020043	22.071	036		5.0.0	Rel-5	Closure of a loophole in the privacy settings	approved	A	5.1.0	Location Services (LCS); Stage 1	S1
SP-020047	22.071	037		5.0.0	Rel-5	Deferred Location Request with Change of Area Event	approved	B	5.1.0	Location Services (LCS); Stage 1	S1
SP-020045	22.071	038	-	4.3.0	Rel-4	correct terms and references	approved	F	4.4.0	Location Services (LCS); Stage 1	S1
SP-020045	22.071	039	-	5.0.0	Rel-5	correct terms and references	approved	A	5.1.0	Location Services (LCS); Stage 1	S1
SP-020048	22.078	134	1	5.5.0	Rel-5	Removal of CAMEL4 Dialled Services enhancements	approved	B	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020048	22.078	135		5.5.0	Rel-5	Liaison Statement on Mobility Management event reporting in the PS domain	approved	C	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020044	22.078	136		3.8.0	R99	removal of handling of e-parameters provided by the SCP	approved	F	3.9.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020044	22.078	137		4.4.0	Rel-4	removal of handling of e-parameters provided by the SCP	approved	A	4.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020044	22.078	138		5.5.0	Rel-5	removal of handling of e-parameters provided by the SCP	approved	A	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020048	22.078	139		5.5.0	Rel-5	Transferring the MS classmark & IMEI to the CSE (update of 301)	approved	C	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020048	22.078	140		5.5.0	Rel-5	Clarification on Releasing Individual Call Parties	approved	C	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020048	22.078	141		5.5.0	Rel-5	Introduction of functional subsets for CAMEL Phase 4	approved	B	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020045	22.078	142	-	4.4.0	Rel-4	correct terms and references	approved	F	4.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020045	22.078	143	-	5.5.0	Rel-5	correct terms and references	approved	A	5.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020045	22.081	004	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Line Identification supplementary services; Stage 1	S1
SP-020045	22.082	004	-	4.1.0	Rel-4	correct terms and references	approved	F	4.2.0	Call Forwarding (CF) Supplementary Services; Stage 1	S1
SP-020045	22.083	003	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	S1
SP-020045	22.084	002	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	MultiParty (MPTY) supplementary service; Stage 1	S1
SP-020045	22.085	003	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Closed User Group (CUG) supplementary services; Stage 1	S1
SP-020045	22.088	002	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Call Barring (CB) supplementary services; Stage 1	S1
SP-020045	22.094	002	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Follow Me service description - Stage 1	S1

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SP-020045	22.097	004	-	4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	S1
SP-020052	22.101	087		5.4.0	Rel-5	Service change and fallback for UDI/RDI multimedia calls	approved	B	5.5.0	Service aspects; Service principles	S1
SP-020049	22.101	088		5.4.0	Rel-5	IMS access	approved	C	5.5.0	Service aspects; Service principles	S1
SP-020051	22.101	089		5.4.0	Rel-5	USIM support in Rel-5 GSM only terminals	approved	C	5.5.0	Service aspects; Service principles	S1
SP-020050	22.101	090		5.4.0	Rel-5	Access to IMS services using ISIM	approved	C	5.5.0	Service aspects; Service principles	S1
SP-020045	22.101	091	-	4.5.0	Rel-4	correct terms and references	approved	F	4.6.0	Service aspects; Service principles	S1
SP-020045	22.101	092	-	5.4.0	Rel-5	correct terms and references	approved	A	5.5.0	Service aspects; Service principles	S1
SP-020126	22.101	093	-	5.4.0	Rel-5	Correction of references to obsolete SIP RFC 2543 IETF specification	approved	F	5.5.0	Service aspects; Service principles	S1
SP-020063	22.105	033		5.0.0	Rel-5	End-user performance expectations-Streaming Services	approved	F	5.1.0	Services & service capabilities	S1
SP-020045	22.105	034	-	4.2.0	Rel-4	correct terms and references	approved	F	4.3.0	Services & service capabilities	S1
SP-020045	22.105	035	-	5.0.0	Rel-5	correct terms and references	approved	A	5.1.0	Services & service capabilities	S1
SP-020053	22.115	007		5.1.0	Rel-5	Charging and billing	approved	B	5.2.0	Service Aspects Charging and billing	S1
SP-020045	22.121	023	-	5.2.0	Rel-5	correct terms and references	approved	F	5.3.0	Service aspects; The Virtual Home Environment; Stage 1	S1
SP-020054	22.127	034		5.2.0	Rel-5	Editorial Corrections	approved	D	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020054	22.127	035		5.2.0	Rel-5	OSA use cases	approved	B	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020054	22.127	036		5.2.0	Rel-5	CR on Network Capability Retrieval	approved	C	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020054	22.127	037		5.2.0	Rel-5	Clarification of OSA functions related to user´s status	approved	F	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020054	22.127	038		5.2.0	Rel-5	Correction of Service Capability Feature to SC Server	approved	F	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020054	22.127	039		5.2.0	Rel-5	Charging Requirements	approved	C	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020054	22.127	040		5.2.0	Rel-5	Security requirements on User Profile Management	approved	F	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020054	22.127	041		5.2.0	Rel-5	Charging Requirements	approved	C	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020045	22.127	042	-	4.3.0	Rel-4	correct terms and references	approved	F	4.4.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020045	22.127	043	-	5.2.0	Rel-5	correct terms and references	approved	A	5.3.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020045	22.135	009		4.0.0	Rel-4	correct terms and references	approved	F	4.1.0	Multicall; Service description; Stage 1	S1
SP-020055	22.140	010		5.0.0	Rel-5	Support of "Recipient Party pays" charging model in MMS	revised	B		Service aspects; Stage 1; Multimedia Messaging Service	S1
SP-020193	22.140	010	1	5.0.0	Rel-5	Support of charging models in MMS.	approved	B	5.1.0	Service aspects; Stage 1; Multimedia Messaging Service	S1
SP-020055	22.140	011		5.0.0	Rel-5	addressing	approved	B	5.1.0	Service aspects; Stage 1; Multimedia Messaging Service	S1
SP-020045	22.140	011	-	4.1.0	Rel-4	correct terms and references	approved	F	4.2.0	Service aspects; Stage 1; Multimedia Messaging Service	S1
SP-020045	22.140	012	-	5.0.0	Rel-5	correct terms and references	approved	A	5.1.0	Service aspects; Stage 1; Multimedia Messaging Service	S1

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SP-020055	22.140	013		5.0.0	Rel-5	MMS Configuration	approved	B	5.1.0	Service aspects; Stage 1; Multimedia Messaging Service	S1
SP-020045	22.140	014		5.0.0	Rel-5	Update of references and general requirements	approved	D	5.1.0	Service aspects; Stage 1; Multimedia Messaging Service	S1
SP-020195	22.140	015	-	5.0.0	Rel-5	Automatic bearer selection for MMS delivery and submission	approved	B	5.1.0	Service aspects; Stage 1; Multimedia Messaging Service	S1
SP-020056	22.141	009		5.1.0	Rel-5	A brief introduction to the Presence Service	approved	D	5.2.0	Presence service; Stage 1	S1
SP-020056	22.141	010		5.1.0	Rel-5	Correction to the number of roles in the Presence Service	approved	D	5.2.0	Presence service; Stage 1	S1
SP-020056	22.141	011		5.1.0	Rel-5	Selective Notifications	approved	C	5.2.0	Presence service; Stage 1	S1
SP-020056	22.141	012		5.1.0	Rel-5	Clarifications on identifier's hiding	approved	F	5.2.0	Presence service; Stage 1	S1
SP-020056	22.141	013		5.1.0	Rel-5	Multiple terminal support in presence service	approved	C	5.2.0	Presence service; Stage 1	S1
SP-020056	22.141	014		5.1.0	Rel-5	Access from external applications	approved	C	5.2.0	Presence service; Stage 1	S1
SP-020057	22.146	024		5.1.0	Rel-5	Area Specific QoS for Broadcast and Multicast Services	approved	F	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020057	22.146	025		5.1.0	Rel-5	Multicast mode	approved	F	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020057	22.146	026		5.1.0	Rel-5	Addition of MBMS multicast mode and broadcast mode definitions	approved	F	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020057	22.146	027		5.1.0	Rel-5	MBMS Broadcast and Multicast Sessions	approved	B	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020057	22.146	028		5.1.0	Rel-5	Power consumption minimisation for MBMS	approved	B	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020057	22.146	029		5.1.0	Rel-5	Editorial Change	approved	F	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020045	22.146	030	-	5.1.0	Rel-5	correct terms and references	approved	F	5.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020045	22.226	002	-	5.1.0	Rel-5	correct terms and references	approved	F	5.2.0	Global text telephony; Stage 1: Service description	S1
SP-020058	22.228	010		5.4.0	Rel-5	IMS Addressing	approved	B	5.5.0	Service requirements for the IP multimedia core network subsystem; Stage 1	S1
SP-020058	22.228	011		5.4.0	Rel-5	ISIM	approved	B	5.5.0	Service requirements for the IP multimedia core network subsystem; Stage 1	S1
SP-020045	22.228	012	-	5.4.0	Rel-5	correct terms and references	approved	F	5.5.0	Service requirements for the IP multimedia core network subsystem; Stage 1	S1
SP-020126	22.228	013	-	5.4.0	Rel-5	Correction of references to obsolete SIP RFC 2543 IETF specification	approved	F	5.5.0	Service requirements for the IP multimedia core network subsystem; Stage 1	S1
SP-020138	03.71	A039		7.8.0	R98	Removal of NA-ESRK from MT-LR request for North American Emergency call	approved	F	7.9.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020138	03.71	A040		8.4.0	R99	Removal of NA-ESRK from MT-LR request for North American Emergency call	approved	A	8.5.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020130	23.002	077	2	5.5.0	Rel-5	Editorial correction to References	revised	D		Network Architecture	S2
SP-020165	23.002	077	3	5.5.0	Rel-5	Editorial correction to References	approved	D	5.6.0	Network Architecture	S2
SP-020130	23.002	078	1	5.5.0	Rel-5	Introduction of an IMS bearer reference point	revised	F		Network Architecture	S2
SP-020165	23.002	078	2	5.5.0	Rel-5	Introduction of an IMS bearer reference point	approved	F	5.6.0	Network Architecture	S2
SP-020130	23.002	085		5.5.0	Rel-5	Corrections to the Radio Network System (node B) definitions	revised	F		Network Architecture	S2

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SP-020165	23.002	085		5.5.0	Rel-5	Corrections to the Radio Network System (node B) definitions	approved	F	5.6.0	Network Architecture	S2
SP-020130	23.002	087		5.5.0	Rel-5	Nb and Nc reference points - editorial corrections	revised	D		Network Architecture	S2
SP-020165	23.002	087		5.5.0	Rel-5	Nb and Nc reference points - editorial corrections	approved	D	5.6.0	Network Architecture	S2
SP-020130	23.002	089		5.5.0	Rel-5	Correction to Reference Architecture Figure	revised	F		Network Architecture	S2
SP-020165	23.002	090		5.5.0	Rel-5	Deletion of Reference Point towards SCP	approved	F	5.6.0	Network Architecture	S2
SP-020130	23.002	090		5.5.0	Rel-5	Deletion of Reference Point towards SCP	revised	F		Network Architecture	S2
SP-020165	23.002	091	1	5.5.0	Rel-5	BGCF: Alignment to 23.228	approved	F	5.6.0	Network Architecture	S2
SP-020130	23.002	091	1	5.5.0	Rel-5	BGCF: Alignment to 23.228	revised	F		Network Architecture	S2
SP-020130	23.002	123	2	5.5.0	Rel-5	Application Server Definition	revised	F		Network Architecture	S2
SP-020165	23.002	123	2	5.5.0	Rel-5	Application Server Definition	approved	F	5.6.0	Network Architecture	S2
SP-020130	23.002	93		5.5.0	Rel-5	Removal of the Sr Reference point	revised	F		Network Architecture	S2
SP-020165	23.002	93		5.5.0	Rel-5	Removal of the Sr Reference point	approved	F	5.6.0	Network Architecture	S2
SP-020131	23.060	286	4	5.0.0	Rel-5	Allocation of unique prefixes to IPv6 terminals	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	287	4	5.0.0	Rel-5	General changes for GERAN Iu mode	approved	B	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	299		4.3.0	Rel-4	CAMEL trigger point C1 for the SRNS relocation procedure (mirror of previous)	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	300		3.10.0	R99	CAMEL trigger point C1 for the SRNS relocation procedure	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	301		4.3.0	Rel-4	Behaviour of the MS on entering a new PLMN	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	302	1	3.10.0	R99	Restoration of R'96 Any Time Interrogation functionality	rejected	F		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	303		5.0.0	Rel-5	CAMEL trigger point C1 for the SRNS relocation procedure (mirror of previous)	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	304		5.0.0	Rel-5	Behaviour of the MS on entering a new PLMN	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	305	2	3.10.0	R99	Allocation of unique prefixes to IPv6 terminals	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	306	2	4.3.0	Rel-4	Allocation of unique prefixes to IPv6 terminals	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	308	1	5.0.0	Rel-5	IMS Enhancements (PCO in Secondary PDP context)	approved	F	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	310	1	5.0.0	Rel-5	Dual-stack IPv4/IPv6 GSNs	approved	C	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	311	1	3.10.0	R99	Correction of CAMEL procedure calls at SRNS relocation	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	312		4.3.0	Rel-4	Correction of CAMEL procedure calls at SRNS relocation	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	313		5.0.0	Rel-5	Correction of CAMEL procedure calls at SRNS relocation	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	314		3.10.0	R99	CAMEL procedure call irrespective of GPRS-CSI/SMS-CSI	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	315	1	4.3.0	Rel-4	CAMEL procedure call irrespective of GPRS-CSI/SMS-CSI	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2

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SP-020131	23.060	316		5.0.0	Rel-5	CAMEL procedure call irrespective of GPRS-CSI/SMS-CSI	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	317		5.0.0	Rel-5	Introduction of CAMEL control of MT-SMS	approved	B	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	318	1	4.3.0	Rel-4	Restoration of R'96 Any Time Interrogation functionality	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	319	1	5.0.0	Rel-5	Restoration of R'96 Any Time Interrogation functionality	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	320	1	5.0.0	Rel-5	PDP context handling at Inter SGSN RA Update	approved	F	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	321		5.0.0	Rel-5	Correction of arbitrary editorial changes	approved	D	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	322	1	5.0.0	Rel-5	IMS related adaptations	approved	F	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	323		3.10.0	R99	No encrypted IMSI for identity check	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	324		4.3.0	Rel-4	No encrypted IMSI for identity check	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	325		5.0.0	Rel-5	No encrypted IMSI for identity check	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	326		3.10.0	R99	Parameter correction in GSM to UMTS inter system RA update	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	327		4.3.0	Rel-4	Parameter correction in GSM to UMTS inter system RA update	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	328		5.0.0	Rel-5	Parameter correction in GSM to UMTS inter system RA update	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	329	2	3.10.0	R99	Clarification to the interactions Between GTP v0 and GTP v1	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	330	2	4.3.0	Rel-4	Clarification to the interactions Between GTP v0 and GTP v1	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	331	2	5.0.0	Rel-5	Clarification to the interactions Between GTP v0 and GTP v1	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	333	1	3.10.0	R99	Clarification on the significance of packet flow contexts	approved	F	3.11.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	334	1	4.3.0	Rel-4	Clarification on the significance of packet flow contexts	approved	A	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	335	1	5.0.0	Rel-5	Clarification on the significance of packet flow contexts	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	336		4.3.0	Rel-4	Corrections on Clarification of handling of real-time PDP contexts due to incorrect implementation of CR 250	approved	F	4.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020131	23.060	337		5.0.0	Rel-5	Corrections on Clarification of handling of real-time PDP contexts due to incorrect implementation of CR 250	approved	A	5.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020132	23.107	083		3.7.0	R99	Clarification of the QoS mapping on the MS	approved	F	3.8.0	Quality of Service (QoS) concept and architecture	S2
SP-020132	23.107	084		4.3.0	Rel-4	Clarification of the QoS mapping on the MS	approved	A	4.4.0	Quality of Service (QoS) concept and architecture	S2
SP-020132	23.107	085		5.3.0	Rel-5	Clarification of the QoS mapping on the MS	approved	A	5.4.0	Quality of Service (QoS) concept and architecture	S2

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SP-020132	23.107	086	3	3.7.0	R99	Determining the highest QoS	approved	F	3.8.0	Quality of Service (QoS) concept and architecture	S2
SP-020132	23.107	087	3	4.3.0	Rel-4	Determining the highest QoS	approved	A	4.4.0	Quality of Service (QoS) concept and architecture	S2
SP-020132	23.107	088	3	5.3.0	Rel-5	Determining the highest QoS	approved	A	5.4.0	Quality of Service (QoS) concept and architecture	S2
SP-020132	23.107	093	1	3.7.0	R99	Corrections on attribute values	approved	F	3.8.0	Quality of Service (QoS) concept and architecture	S2
SP-020132	23.107	096		3.7.0	R99	QoS mapping rule for the R99 delivery order attribute	approved	F	3.8.0	Quality of Service (QoS) concept and architecture	S2
SP-020132	23.107	097		4.3.0	Rel-4	QoS mapping rule for the R99 delivery order attribute	approved	A	4.4.0	Quality of Service (QoS) concept and architecture	S2
SP-020132	23.107	098		5.3.0	Rel-5	QoS mapping rule for the R99 delivery order attribute	approved	A	5.4.0	Quality of Service (QoS) concept and architecture	S2
SP-020132	23.107	099		4.3.0	Rel-4	Corrections on attribute values	approved	F	4.4.0	Quality of Service (QoS) concept and architecture	S2
SP-020132	23.107	100	1	5.3.0	Rel-5	Corrections on attribute values	approved	F	5.4.0	Quality of Service (QoS) concept and architecture	S2
SP-020133	23.127	029		4.2.0	Rel-4	OSA Mobility SCF	approved	F	4.3.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	S2
SP-020133	23.127	030		4.2.0	Rel-4	OSA Charging and Account Management SCFs	approved	F	4.3.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	S2
SP-020133	23.127	031	1	4.2.0	Rel-4	OSA Internal API, Integrity Management	approved	F	4.3.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	S2
SP-020133	23.127	032		5.0.0	Rel-5	OSA Internal API, Integrity Management	approved	A	5.1.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	S2
SP-020133	23.127	034	1	5.0.0	Rel-5	Refinement of OSA Mobility SCF	approved	C	5.1.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	S2
SP-020133	23.127	035	1	5.0.0	Rel-5	Correction in Mobility SCF definition	approved	C	5.1.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	S2
SP-020133	23.127	037	1	5.0.0	Rel-5	Mapping of OSA API-s to Presence	approved	C	5.1.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	S2
SP-020138	23.171	023	1	3.6.0	R99	Correction of information flows LCS client - GMLC	approved	F	3.7.0	Functional stage 2 description of location services in UMTS	S2
SP-020138	23.171	024		3.6.0	R99	Removal of NA-ESRK from MT-LR request for North American Emergency call	approved	A	3.7.0	Functional stage 2 description of location services in UMTS	S2
SP-020134	23.207	014	1	5.2.0	Rel-5	Removal of packet handling action from PCF decision	approved	F	5.3.0	End to end quality of service concept and architecture	S2
SP-020134	23.207	017	1	5.2.0	Rel-5	Authorization of QoS Resources	approved	F	5.3.0	End to end quality of service concept and architecture	S2
SP-020134	23.207	019		5.2.0	Rel-5	Number of media components per PDP Context	approved	B	5.3.0	End to end quality of service concept and architecture	S2
SP-020134	23.207	020		5.2.0	Rel-5	Incorrect Place of the RAB Procedures in Section 6.3.2	approved	F	5.3.0	End to end quality of service concept and architecture	S2
SP-020134	23.207	021	1	5.2.0	Rel-5	Editorial Corrections of QoS Interaction Procedures Flows	approved	D	5.3.0	End to end quality of service concept and architecture	S2
SP-020134	23.207	022	1	5.2.0	Rel-5	Corrections of the Indication of PDP Context Release Procedure	approved	F	5.3.0	End to end quality of service concept and architecture	S2

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SP-020134	23.207	023	1	5.2.0	Rel-5	Corrections in 6.3 Session Flow: QoS Interaction Procedures	approved	F	5.3.0	End to end quality of service concept and architecture	S2
SP-020135	23.221	026	1	5.3.0	Rel-5	Renaming of R-SGW	approved	F	5.4.0	Architectural requirements	S2
SP-020135	23.221	027	1	5.3.0	Rel-5	Allocation of unique prefixes to IPv6 terminals	approved	F	5.4.0	Architectural requirements	S2
SP-020135	23.221	028		5.3.0	Rel-5	Compression use for SIP Signalling	approved	C	5.4.0	Architectural requirements	S2
SP-020136	23.228	086		5.3.0	Rel-5	IMS Session Procedure Errors	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	115		5.3.0	Rel-5	Introduction of an IMS bearer reference point	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	120	2	5.3.0	Rel-5	Clarifications to text on handling of the PDP contexts in case of Iu release or RAB release	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	121	1	5.3.0	Rel-5	Corrections to codec negotiation	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	122	1	5.3.0	Rel-5	Interaction between QoS and session signalling	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	127	2	5.3.0	Rel-5	Requirement to register Public Id before usage	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	129	1	5.3.0	Rel-5	Corrections to List of Symbols	approved	D	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	130	1	5.3.0	Rel-5	Authorization of QoS Resources	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	131	1	5.3.0	Rel-5	S-CSCF change	approved	B	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	133		5.3.0	Rel-5	P-CSCF discovery	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	134	2	5.3.0	Rel-5	Number of media components per PDP Context	approved	B	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	135	1	5.3.0	Rel-5	Registration Parameter Corrections	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	136	1	5.3.0	Rel-5	Removal of Editor's Notes	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	137	1	5.3.0	Rel-5	Clarification on Sh interface definition	approved	C	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	138		5.3.0	Rel-5	Extend support of information transfer between SIP end points	approved	C	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	139	1	5.3.0	Rel-5	Clean-up of MT Unregistered procedures	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	141	2	5.3.0	Rel-5	IP privacy requires re-registration	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	144		5.3.0	Rel-5	Corrections for Section 5.4.7 Interaction between QoS and session signalling	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	147		5.3.0	Rel-5	Corrections on P-CSCF initiated session release after loss of radio coverage	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	148	1	5.3.0	Rel-5	Use of R99 USIM for IMS	rejected	C		IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020189	23.228	148	2	5.3.0	Rel-5	Use of R'99 USIM for IMS, and, introduction of the ISIM application on UICC	withdrawn	C		IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020189	23.228	148	3	5.3.0	Rel-5	Introduction of the ISIM application on UICC	approved	C	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	149	1	5.3.0	Rel-5	Provision of 'VPLMN provided services' in IMS	approved	C	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	150		5.3.0	Rel-5	Corrections to P-CSCF's functions	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020136	23.228	151		5.3.0	Rel-5	Removal of Sr Interface for R5	approved	F	5.4.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020137	23.236	011	1	5.1.0	Rel-5	Selection of MSC/VLR node based on IDNSS derived from IMSI	approved	B	5.2.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2
SP-020138	23.271	056		4.4.0	Rel-5	Supported LCS capabilities set	approved	F	4.5.0	Functional stage 2 description of location services	S2
SP-020138	23.271	057		5.1.0	Rel-5	Supported LCS capabilities set	approved	A	5.2.0	Functional stage 2 description of location services	S2
SP-020138	23.271	058	2	4.4.0	Rel-4	Clarification of OSA support for LCS in TS 23.271	approved	F	4.5.0	Functional stage 2 description of location services	S2
SP-020138	23.271	058	3	4.4.0	Rel-4	Clarification of OSA support for LCS in TS 23.271	approved	F	4.5.0	Functional stage 2 description of location services	S2

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SP-020138	23.271	059	2	5.1.0	Rel-5	Clarification of OSA support for LCS in TS 23.271	approved	A	5.2.0	Functional stage 2 description of location services	S2
SP-020138	23.271	059	3	5.1.0	Rel-5	Clarification of OSA support for LCS in TS 23.271	approved	A	5.2.0	Functional stage 2 description of location services	S2
SP-020138	23.271	061	1	5.1.0	Rel-5	Requestor and Requestor identity	approved	C	5.2.0	Functional stage 2 description of location services	S2
SP-020138	23.271	062	2	5.1.0	Rel-5	Combined Periodical/Deferred Mobile Terminating Location Request	approved	B	5.2.0	Functional stage 2 description of location services	S2
SP-020138	23.271	063	3	4.4.0	Rel-4	Essential correction for session related class	approved	F	4.5.0	Functional stage 2 description of location services	S2
SP-020138	23.271	064	2	5.1.0	Rel-5	Essential correction for session related class	approved	A	5.2.0	Functional stage 2 description of location services	S2
SP-020198	23.271	065	2	5.1.0	Rel-5	Adding references to the LIF MLP specification for the Le interface.	approved	B	5.2.0	Functional stage 2 description of location services	S2
SP-020138	23.271	069	1	5.1.0	Rel-5	Handling of Service Type and codeword.	approved	B	5.2.0	Functional stage 2 description of location services	S2
SP-020138	23.271	071	1	5.1.0	Rel-5	Handling of Privacy Override Indicator	approved	F	5.2.0	Functional stage 2 description of location services	S2
SP-020138	23.271	072	2	5.1.0	Rel-5	Correction of information flows LCS client - GMLC	approved	F	5.2.0	Functional stage 2 description of location services	S2
SP-020138	23.271	073	1	4.4.0	Rel-4	Correction of information flows LCS client - GMLC	approved	F	4.5.0	Functional stage 2 description of location services	S2
SP-020159	23.271	075	4	5.1.0	Rel-5	Deferred Location Request with Change of Area Event	withdrawn	B		Functional stage 2 description of location services	S2
SP-020138	23.271	076		4.4.0	Rel-4	Removal of NA-ESRK from MT-LR request for North American Emergency call	approved	A	4.5.0	Functional stage 2 description of location services	S2
SP-020138	23.271	077		5.1.0	Rel-5	Removal of NA-ESRK from MT-LR request for North American Emergency call	approved	A	5.2.0	Functional stage 2 description of location services	S2
SP-020108	33.102	163		3.10.0	R99	Removal of Tr mode DCCH	approved	F	3.11.0	3G security; Security architecture	S3
SP-020109	33.107	017		5.1.0	Rel-5	PDP context Deactivation cause	approved	B	5.2.0	3G security; Lawful interception architecture and functions	S3
SP-020160	33.107	018		5.1.0	Rel-5	The use of H.248 in setting up a bearer intercept point at the MGW	approved	B	5.2.0	3G security; Lawful interception architecture and functions	S3
SP-020161	33.107	019		3.4.0	R99	Inter-SGSN RA update with active PDP context	approved	F	3.5.0	3G security; Lawful interception architecture and functions	S3
SP-020161	33.107	020		4.1.0	Rel-4	Inter-SGSN RA update with active PDP context	approved	A	4.2.0	3G security; Lawful interception architecture and functions	S3
SP-020161	33.107	021		5.1.0	Rel-5	Inter-SGSN RA update with active PDP context	approved	A	5.2.0	3G security; Lawful interception architecture and functions	S3
SP-020162	33.107	022		5.1.0	Rel-5	Addition of PDP context modification Event and Transferring the QoS information element across the X2 interface	approved	B	5.2.0	3G security; Lawful interception architecture and functions	S3
SP-020114	33.200	020		4.2.0	Rel-4	NIST Special Publication 800-38A updates on MEA-1	approved	F	4.3.0	Network Domain Security - MAP	S3
SP-020115	33.200	021		4.3.0	Rel-5	Automatic Key Management	approved	B	5.0.0	Network Domain Security - MAP	S3
SP-020174	33.203	001	-	5.0.0	Rel-5	Correction of references to obsolete SIP RFC 2543bis IETF internet draft	approved	F	5.1.0	3G security; Access security for IP-based services	S3
SP-020175	33.203	002	-	5.0.0	Rel-5	Removal of reference to non Operator IMS provision	approved	F	5.1.0	3G security; Access security for IP-based services	S3

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SP-020113	43.035	001		4.0.0	Rel-4	IST implementation for non-CAMEL subscribers	approved	A	4.1.0	Immediate Service Termination (IST); Stage 2	S3
SP-020076	06.74	A002	1	7.1.1	R98	Correction to DTX test vectors	approved	F	7.2.0	Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec	S4
SP-020077	26.101	007	1	3.2.0	R99	Correction of AMR codec output bitstream	approvedapprovedapproved	F		AMR speech Codec; Frame Structure	S4
SP-020077	26.101	008		4.1.0	Rel-4	Correction of AMR codec output bitstream	approved	A	4.2.0	AMR speech Codec; Frame Structure	S4
SP-020078	26.103	012	1	3.1.0	R99	UMTS_AMR2 is default Codec Type in R99 dual_mode terminals	postponed	F		Codec lists	S4
SP-020078	26.103	013	1	4.2.0	Rel-4	UMTS_AMR2 is default Codec Type in all terminals of REL-4 and onwards	postponed	F		Codec lists	S4
SP-020078	26.103	014	1	5.0.0	Rel-5	UMTS_AMR2 is default Codec Type in all terminals of REL-4 and onwards	postponed	A		Codec lists	S4
SP-020078	26.103	015		5.0.0	Rel-5	Introduction of GERAN-8PSK Codec Types into Codec List	approved	B	5.1.0	Codec lists	S4
SP-020078	26.103	017		5.0.0	Rel-5	Introduction of codepoint for Dummy Codec for CS Multi Media (3G 324M)	approved	B	5.1.0	Codec lists	S4
SP-020079	26.104	019		4.2.0	Rel-4	Maintaining bit-exactness with TS 26.073	approved	A	4.3.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	S4
SP-020079	26.104	020		3.3.0	R99	Maintaining bit-exactness with TS 26.073	approved	F	3.4.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	S4
SP-020080	26.132	009	1	3.3.0	R99	Correction of references and editorial changes (wrong decimal separators)	approved	F	3.4.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4
SP-020080	26.132	010	1	4.1.0	Rel-4	Correction of references and editorial changes (wrong decimal separators)	approved	A	4.2.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4
SP-020080	26.132	011	1	5.1.0	Rel-5	Correction of references and editorial changes (wrong decimal separators)	approved	A	5.2.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4
SP-020081	26.173	011	2	5.3.0	Rel-5	Correction of mode reading and memory usage	approved	F	5.4.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	S4
SP-020081	26.173	012		5.3.0	Rel-5	Correction of pitch calculation of AMR-WB encoder	approved	F	5.4.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	S4
SP-020081	26.173	013		5.3.0	Rel-5	Error concealment of high band gain in 23.85 kbit/s mode	approved	F	5.4.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	S4
SP-020082	26.174	003		5.2.0	Rel-5	Update of AMR-WB test sequences	approved	F	5.3.0	AMR speech codec, wideband; Test sequences	S4
SP-020083	26.191	001		5.0.0	Rel-5	Error concealment of high band gain in 23.85 kbit/s mode	approved	F	5.1.0	AMR speech codec, wideband; Error concealment of lost frames	S4
SP-020084	26.231	002		5.1.0	Rel-5	Request to remove the CTM tandeming requirement for handsets in the Minimum Performance Requirements	approved	F	5.2.0	Global text telephony; Cellular text telephone modem minimum performance requirements	S4
SP-020085	26.233	002	1	4.1.0	Rel-4	Correction of missing use case example: PSS service activation via MMS	approved	F	4.2.0	End-to-end transparent streaming service; General description	S4
SP-020086	26.233	003		4.1.0	Rel-5	Consolidated addition of Release 5 PSS-E features to TS 26.233 Rel-4	approved	B	5.0.0	End-to-end transparent streaming service; General description	S4

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SP-020087	26.234	011		4.2.0	Rel-4	Specification of missing limit for number of AMR Frames per Sample	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020087	26.234	013	2	4.2.0	Rel-4	Removing of the reference to TS 26.235	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020087	26.234	014		4.2.0	Rel-4	Correction to the reference for the XHTML MIME media type	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020087	26.234	015	1	4.2.0	Rel-4	Correction to MPEG-4 references	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020087	26.234	018	1	4.2.0	Rel-4	Correction to the width field of H263SampleEntry Atom in Section D.6	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020087	26.234	019		4.2.0	Rel-4	Correction to the definition of "b=AS"	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020087	26.234	020		4.2.0	Rel-4	Clarification of the index number's range in the referred MP4 file format	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020087	26.234	021		4.2.0	Rel-4	Correction of SDP attribute 'C='	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020088	26.234	022	2	4.2.0	Rel-5	Addition of Release 5 functionality	approved	B	5.0.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020173	26.234	023		4.2.0	Rel4	References to "3GPP AMR-WB codec" replaced by "ITU-T Rec. G.722.2" and "RFC 3267"	approved	F	4.3.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020089	26.235	003	2	5.0.0	Rel-5	Update of AMR & AMR-WB RTP payload format	approved	F	5.1.0	Packet switched conversational multimedia applications; Default codecs	S4
SP-020154	26.235	004	-	5.0.0	Rel-5	Correction of references to obsolete SIP RFC 2543 IETF specificaiton	approved	F	5.1.0	Packet switched conversational multimedia applications; Default codecs	S4
SP-020090	28.062	004		4.2.0	Rel-4	Correction of OM & OD bits mapping in TFO 16k frames	approved	F	4.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020090	28.062	005	1	4.2.0	Rel-4	Inclusion of the Non_Speech TFO frames in conditions for TFO_Frame	approved	F	4.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020090	28.062	007	2	4.2.0	Rel-4	Corrections in TFO Protocol Tables	approved	F	4.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020091	28.062	009		4.2.0	Rel-5	Modification of TFO_Messages for AMR-WB introduction	approved	B	5.0.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020091	28.062	010	2	4.2.0	Rel-5	Introduction of Generic Configuration Frames into TS 28.062, Annex H	approved	B	5.0.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020090	28.062	013		4.2.0	Rel-4	Corrected C-Code for AMR TFO decision rules	approved	F	4.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020092	28.062	014		4.2.0	Rel-5	Introduction of AMR-WB codec types and codec type OHR_AMR into reference implementation C-Code of AMR TFO decision rules	approved	B	5.0.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020091	28.062	015	1	4.2.0	Rel-5	Inclusion of AMR-WB codec types and codec type OHR_AMR (AMR-NB on 8PSK-HR channel) into TFO	approved	B	5.0.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4

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SP-020090	28.062	016		4.2.0	Rel-4	Corrections	approved	F	4.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020022	32.005	010		3.5.0	R99	Addition of CAMEL phase 3 extensions in SMS-MO CDR	approved	F	3.6.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	S5
SP-020022	32.015	035		3.8.0	R99	Addition of CAMEL phase 3 extensions in SMS-MO CDR	approved	F	3.9.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-020024	32.015	036		3.8.0	R99	Addition of "QoSRequested" parameter into "traffic volume containers"	approved	F	3.9.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-020013	32.101	016		4.2.0	Rel-5	Correction and update to QoS Management (alignment on Policy Management with S2, CN3 in 23.207, 29.207)	approved	F	5.0.0	3G Telecom Management principles and high level requirements	S5
SP-020013	32.101	017		4.2.0	Rel-5	Introduction of Subscriber and Equipment Trace Management	approved	B	5.0.0	3G Telecom Management principles and high level requirements	S5
SP-020013	32.101	018		4.2.0	Rel-5	Update of Accounting Management to cover the IMS (alignment with SA5's 32.200 Charging management; Charging Principles)	approved	B	5.0.0	3G Telecom Management principles and high level requirements	S5
SP-020014	32.102	018		4.2.0	Rel-5	Add the rule on how all SA5 Solution Set specifications indicate a reference to a particular SA5 Information Service specification.	withdrawn	F		3G Telecom Management Architecture	S5
SP-020037	32.102	018		4.2.0	Rel-5	Add the rule on how all SA5 Solution Set specifications indicate a reference to a particular SA5 Information Service specification.	approved	B	5.0.0	3G Telecom Management Architecture	S5
SP-020037	32.102	019		4.2.0	Rel-5	Inclusion of the IMS in the 3G Telecom Management Architecture (32.102)	approved	B	5.0.0	3G Telecom Management Architecture	S5
SP-020014	32.102	019		4.2.0	Rel-5	Inclusion of the IMS in the 3G Telecom Management Architecture (32.102)	withdrawn	B		3G Telecom Management Architecture	S5
SP-020028	32.111-2	012		4.2.0	Rel-4	Addition of "perceivedSeverity" as parameter to "acknowledgeAlarms operation" (IS)	approved	F	4.3.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-020039	32.111-2	013		4.2.0	Rel-4	Addition of parameter in Alarm List Rebuilt notification	approved	F	4.3.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-020029	32.111-2	013		4.2.0	Rel-4	Addition of parameter in Alarm List Rebuilt notification	withdrawn	F		Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-020039	32.111-2	014		4.2.0	Rel-4	Addition of new notification notifyPotentialFaultyAlarmList	approved	F	4.3.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-020029	32.111-2	014		4.2.0	Rel-4	Addition of new notification notifyPotentialFaultyAlarmList	withdrawn	F		Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-020039	32.111-2	015		4.2.0	Rel-4	Additional trigger event for notifyAlarmListRebuilt	approved	F	4.3.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5

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SP-020029	32.111-2	015		4.2.0	Rel-4	Additional trigger event for notifyAlarmListRebuilt	withdrawn	F		Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-020015	32.111-3	014		4.1.0	Rel-4	Correction of erroneous and addition of missing mapping tables	approved	F	4.2.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-020028	32.111-3	015		4.1.0	Rel-4	Addition of "perceivedSeverity" as parameter to "acknowledgeAlarms" operation (CORBA SS)	approved	F	4.2.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-020028	32.111-4	005		4.1.0	Rel-4	Addition of "perceivedSeverity" as parameter to "acknowledgeAlarms" operation (CMIP SS)	approved	F	4.2.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-020016	32.200	001		4.0.0	Rel-4	Alignment of terminology with 23.140 (MMS)	approved	F	4.1.0	Telecommunication management; Charging management; Charging principles	S5
SP-020016	32.200	002		4.0.0	Rel-4	Corrections on CAMEL D-CSI trigger function	approved	F	4.1.0	Telecommunication management; Charging management; Charging principles	S5
SP-020016	32.200	003		4.0.0	Rel-4	Correction of interface descriptions and terminology	approved	F	4.1.0	Telecommunication management; Charging management; Charging principles	S5
SP-020016	32.200	004		4.1.0	Rel-5	Incorporation of IMS Charging Architecture from SA2's TR 23.815	approved	B	5.0.0	Telecommunication management; Charging management; Charging principles	S5
SP-020016	32.200	005		4.1.0	Rel-5	Inclusion of on-line charging architecture from SA2's 23.815 into SA5's 32.200	approved	B	5.0.0	Telecommunication management; Charging management; Charging principles	S5
SP-020022	32.205	001		4.0.0	Rel-4	Addition of CAMEL phase 3 extensions in SMS-MO CDR	approved	A	4.1.0	Telecommunication management; Charging management; 3G charging data description for the CS domain	S5
SP-020035	32.205	002		4.1.0	Rel-5	Addition of Charging Data Record definition for Location Service in CS domain	approved	B	5.0.0	Telecommunication management; Charging management; 3G charging data description for the CS domain	S5
SP-020023	32.205	002		4.1.0	Rel-5	Addition of Charging Data Record definition for Location Service in CS domain	withdrawn	B		Telecommunication management; Charging management; 3G charging data description for the CS domain	S5
SP-020025	32.205	003		4.1.0	Rel-5	Addition of CAMEL phase 4 extensions in SMS-MT CDRs	approved	B	5.0.0	Telecommunication management; Charging management; 3G charging data description for the CS domain	S5
SP-020022	32.215	004		4.1.0	Rel-4	Addition of CAMEL phase 3 extensions in SMS-MO CDR	approved	A	4.2.0	Telecommunications management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020024	32.215	005		4.1.0	Rel-4	Addition of "QoSRequested" parameter into "traffic volume containers"	approved	A	4.2.0	Telecommunications management; Charging management; Charging data description for the Packet Switched (PS) domain	S5

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SP-020025	32.215	006		4.2.0	Rel-5	Addition of CAMEL phase 4 extensions in SMS-MT CDRs	approved	B	5.0.0	Telecommunications management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020017	32.235	001		4.0.0	Rel-4	Corrections for consistency with 23.140 (MMS)	approved	F	4.1.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-020038	32.303	002		4.1.0	Rel-4	Addition of missing generic CORBA exception "ValueNotSupported" into CORBA module "ManagedGenericIRPSystem"	approved	F	4.2.0	Telecommunication management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-020030	32.303	002		4.1.0	Rel-4	Addition of missing generic CORBA exception "ValueNotSupported" into CORBA module "ManagedGenericIRPSystem"	withdrawn	F		Telecommunication management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-020018	32.304	005		4.1.0	Rel-4	Correction of invalid ASN.1 definitions	approved	F	4.2.0	Telecommunication management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	S5
SP-020031	32.304	006		5.0.0	Rel-5	Correction of errors in the GDMO and ASN.1 definitions	approved	F	5.1.0	Telecommunication management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	S5
SP-020026	32.403	002		4.1.0	Rel-4	Correction of the measured object class for some SGSN MM measurement definitions	approved	F	4.2.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-020167	32.403	003		4.2.0	Rel-5	Introduction of "Performance Measurements Definition Process" describing the repeatable, top-down process to define measurements for inclusion in future 3GPP Releases	rejected	D		Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-020027	32.403	003		4.2.0	Rel-5	Introduction of "Performance Measurements Definition Process" describing the repeatable, top-down process to define measurements for inclusion in future 3GPP Releases	withdrawn	F		Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-020019	32.603	002		4.1.0	Rel-4	Correction of erroneous CORBA module names and mapping tables	approved	F	4.2.0	Telecommunication management; Configuration Management; Basic configuration management IRP: CORBA solution set	S5
SP-020019	32.603	003		4.1.0	Rel-4	Corrections to Basic CM IRP CORBA Solution Set IDLs	approved	F	4.2.0	Telecommunication management; Configuration Management; Basic configuration management IRP: CORBA solution set	S5
SP-020030	32.603	004		4.1.0	Rel-4	Addition of missing CORBA exception "ManagedGenericIRPSystem::ValueNotSupported" onto CORBA method "find_managed_objects"	withdrawn	F		Telecommunication management; Configuration Management; Basic configuration management IRP: CORBA solution set	S5

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SP-020038	32.603	004		4.1.0	Rel-4	Addition of missing CORBA exception "ManagedGenericIRPSystem::ValueNotSupported" onto CORBA method "find_managed_objects"	approved	F	4.2.0	Telecommunication management; Configuration Management; Basic configuration management IRP: CORBA solution set	S5
SP-020032	32.615	002		4.1.0	Rel-4	Alignment of XML file definitions with W3C, and modifications to allow use of commercially available XML processing tools	approved	F	4.2.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition	S5
SP-020020	32.622	004		4.1.0	Rel-4	Addition of managedElementType value for GSM Radio Access Network support	approved	F	4.2.0	Telecommunication management; Configuration Management; Generic network resources IRP: NRM	S5
SP-020021	32.624	004		4.2.0	Rel-4	Removal of redundant GDMO/ASN.1 Code	approved	F	4.3.0	Telecommunication management; Configuration Management; Generic network resources: IRP CMIP solution set	S5
SP-020021	32.624	005		4.2.0	Rel-4	Making 'elementType' consistent	approved	F	4.3.0	Telecommunication management; Configuration Management; Generic network resources: IRP CMIP solution set	S5
SP-020021	32.624	006		4.2.0	Rel-4	Change the attribute "userLabel" from Read-Only to Read-Write	approved	F	4.3.0	Telecommunication management; Configuration Management; Generic network resources: IRP CMIP solution set	S5
SP-020096	01.01	005	-	8.4.0	R99	Correction to list of specifications	revised	F		GSM Release 1999 Specifications	SP
SP-020178	01.01	005	1	8.4.0	R99	Correction to list of specifications	approved	F	8.5.0	GSM Release 1999 Specifications	SP
SP-020197	01.01	006	-	8.4.0	R99	Renumbering of specs to reflect access-technology-independence of IST	withdrawn	F		GSM Release 1999 Specifications	SP
SP-020093	21.101	008	-	3.6.0	R99	Correction to list of specifications	approved	F	3.7.0	3rd Generation mobile system Release 1999 Specifications	SP
SP-020197	21.101	009	-	3.6.0	R99	Renumbering of specs to reflect access-technology-independence of IST	withdrawn	F		3rd Generation mobile system Release 1999 Specifications	SP
SP-020094	21.102	005	-	4.3.0	Rel-4	Correction to list of specifications	revised	F		3rd Generation mobile system Release 4 specifications	SP
SP-020176	21.102	005	1	4.3.0	Rel-4	Correction to list of specifications	approved	F	4.4.0	3rd Generation mobile system Release 4 specifications	SP
SP-020197	21.102	006	-	4.3.0	Rel-4	Renumbering of specs to reflect access-technology-independence of IST	withdrawn	F		3rd Generation mobile system Release 4 specifications	SP
SP-020105	21.801	004	-	4.2.0	Rel-4	Correction of wrongly numbered table	approved	D	4.3.0	Specification drafting rules	SP
SP-020097	41.102	004	-	4.3.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications	SP
SP-020179	41.102	004	1	4.3.0	Rel-4	Correction to list of specifications	approved	F	4.4.0	GSM Release 4 specifications	SP
SP-020197	41.102	005	-	4.3.0	Rel-4	Renumbering of specs to reflect access-technology-independence of IST	withdrawn	F		GSM Release 4 specifications	SP
TP-020038	34.108	082		3.6.0	R99	Replacement of Block STTD by Space Code Transmit Diversity (SCTD)	approved	F	3.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020038	34.108	083		4.1.0	Rel-4	Replacement of Block STTD by Space Code Transmit Diversity (SCTD) (Rel-4)	approved	A	4.2.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020038	34.108	084		3.6.0	R99	Update of reference radio conditions	approved	F	3.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020038	34.108	085		4.1.0	Rel-4	Update of reference radio conditions (Rel-4)	approved	A	4.2.0	Common test environments for User Equipment (UE) conformance testing	T1

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TP-020038	34.108	086		3.6.0	R99	Update of system reference configurations and default messages	approved	F	3.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020038	34.108	087		4.1.0	Rel-4	Update of system reference configurations and default messages (Rel-4)	approved	A	4.2.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020038	34.108	088		3.6.0	R99	Corrections to 34108-360	approved	F	3.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020038	34.108	089		4.1.0	Rel-4	Corrections to 34108-410	approved	A	4.2.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020038	34.108	090		3.6.0	R99	Introduction of new Reference RABs (LS from RAN T1-020025)	approved	F	3.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020038	34.108	091		4.1.0	Rel-4	Introduction of new Reference RABs (Rel-4)	approved	A	4.2.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020038	34.108	092		3.6.0	R99	Clarification of bit rate of Interactive/Background PS RAB function	approved	F	3.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020038	34.108	093		3.6.0	R99	Update of SIBs for TDD mode in TS34.108 (Rel99)	approved	F	3.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020038	34.108	094		4.1.0	Rel-4	Update of SIBs for TDD (both modes) in TS34.108 (Rel4)	approved	F	4.2.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020038	34.108	095		4.1.0	Rel-4	Clarification of bit rate of Interactive/Background PS RAB function (Rel-4)	approved	A	4.2.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020039	34.121	127		3.7.0	R99	Correction of power terms and definitions	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	128		3.7.0	R99	Creation of common default messages for RRM test cases in Annex I	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	129		3.7.0	R99	Transmit ON/OFF time mask, Change of TFC and Power setting in uplink compressed mode	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	130		3.7.0	R99	Maintenance of Annex B	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	131		3.7.0	R99	Correction of minimum test times under fading	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	132		3.7.0	R99	Addition of test case description for SFN-CFN observed time difference	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	133		3.7.0	R99	Addition of test case description for SFN-SFN observed time difference type 1	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	134		3.7.0	R99	Corrections for TS 34.121 subclause 8.7.6	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	135		3.7.0	R99	Correction changes in clause 8.7	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	136		3.7.0	R99	Update of RRM Cell reselection delay tests in idle mode	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	137		3.7.0	R99	Implementation of test tolerances to test cases in subclause 7	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	138		3.7.0	R99	RRM AnnexF	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	139		3.7.0	R99	Connection Diagrams for RRM tests cell re-selection in idle mode	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	140		3.7.0	R99	Statistical testing of RRM delay performance	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1

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TP-020039	34.121	141		3.7.0	R99	RRM Hard handover test cases	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	142		3.7.0	R99	System Simulator and Test System definition	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	143		3.7.0	R99	WCDMA 1800 and 1900 additions	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020039	34.121	144		3.7.0	R99	Correction of power spectral density	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020040	34.122	070		3.6.0	R99	Corrections to various reference to tables in the document.	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	071		3.6.0	R99	Maintenance of Annex B	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	072		3.6.0	R99	Power Control in the Downlink	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	073		3.6.0	R99	Uplink Power Control Performance Test	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	074		3.6.0	R99	Replacement of Block STTD by Space Code Transmit Diversity (SCTD)	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	075		3.6.0	R99	New RRM Section Headings	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	076		3.6.0	R99	Cell Re-selection in idle mode test cases	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	077		3.6.0	R99	Statistical testing of RRM delay performance	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	078		4.2.0	Rel-4	Corrections to various reference to tables in the document.	approved	A	4.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	079		4.2.0	Rel-4	Maintenance of Annex B	approved	A	4.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	080		4.2.0	Rel-4	Replacement of Block STTD by Space Code Transmit Diversity (SCTD)	approved	A	4.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	081		4.2.0	Rel-4	New RRM Section Headings (Cat.A)	approved	A	4.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	082		4.2.0	Rel-4	Cell Re-selection in idle mode test cases	approved	A	4.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	083		4.2.0	Rel-4	Power Control in the Downlink	approved	A	4.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	084		4.2.0	Rel-4	Uplink Power Control Performance Test	approved	A	4.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020040	34.122	085		4.2.0	Rel-4	Statistical testing of RRM delay performance	approved	A	4.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020041	34.123-1	130		4.1.0	Rel-4	Correction to Annex A	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	131		4.1.0	Rel-4	Update of Idle mode tests	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020041	34.123-1	132		4.1.0	Rel-4	Update to GMM test cases	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	133		4.1.0	Rel-4	Corrections to RRC test cases, 8.2.2 onwards	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	134		4.1.0	Rel-4	Corrections to Annex A	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	135		4.1.0	Rel-4	Clause 7.3, PDCP testing: Update	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	136		4.1.0	Rel-4	Corrections to clause 8.1	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	137		4.1.0	Rel-4	Correction to RRC test cases	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	138		4.1.0	Rel-4	Corrections to Measurement test cases	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	139		4.1.0	Rel-4	Additional test case for packet	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	140		4.1.0	Rel-4	Changes to MAC conformance test 7.1.1.1	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	141		4.1.0	Rel-4	Changes to MAC conformance test 7.1.1.2	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	142		4.1.0	Rel-4	Changes to MAC conformance test 7.1.1.3	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	143		4.1.0	Rel-4	Changes to MAC conformance test 7.1.1.4	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	144		4.1.0	Rel-4	Changes to MAC conformance test 7.1.1.5	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	145		4.1.0	Rel-4	Changes to MAC conformance test 7.1.1.8	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	146		4.1.0	Rel-4	Changes to MAC conformance test 7.1.2.2.1	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	147		4.1.0	Rel-4	Changes to MAC conformance test 7.1.2.4	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020041	34.123-1	148		4.1.0	Rel-4	Changes to MAC conformance test 7.1.2.5	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	149		4.1.0	Rel-4	Changes to MAC conformance test 7.1.3.1	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	150		4.1.0	Rel-4	Changes to RLC conformance test 7.2.3.20	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	151		4.1.0	Rel-4	Changes to RLC conformance test 7.2.3.25	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	152		4.1.0	Rel-4	Modifications on Session Management test case 11.1.1.1	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	153		4.1.0	Rel-4	Modifications on Session Management test case 11.1.2	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	154		4.1.0	Rel-4	Section 8.1 Connection Management Procedure (TDD both modes)	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	155		4.1.0	Rel-4	Modification on Session Management test case 11.1.3.2	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	156		4.1.0	Rel-4	Modifications of MM test cases	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	157		4.1.0	Rel-4	Update of RB test cases	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	158		4.1.0	Rel-4	Section 8.2 Radio Bearer Control Procedure (TDD both modes)	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	159		4.1.0	Rel-4	Correction of MAC conformance test 7.1.2.1.1	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020041	34.123-1	160		4.1.0	Rel-4	Correction of MAC conformance test 7.1.2.3.1	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	161		4.1.0	Rel-4	Additional Measurement Control and Report test cases	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	162		4.1.0	Rel-4	Clause 8.4.1 Measurement Control and Report	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	163		4.1.0	Rel-4	Additional test cases for inter-RAT measurements and UE internal measurements	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020042	34.123-1	164		4.1.0	Rel-4	Addition of test case for Inter-RAT measurement, event 3C, in CELL_DCH state using sparse compressed mode pattern	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	165		4.1.0	Rel-4	Clause 6.1.2.8 Cell reselection : Equivalent PLMN	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	166		4.1.0	Rel-4	Additional test cases for shared networks	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	167		4.1.0	Rel-4	Deletion of Equivalent PLMN list in UE	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	168		4.1.0	Rel-4	ePLMN list storage at power off	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	169		4.1.0	Rel-4	Interaction of ePLMNs and forbidden PLMNs	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	170		4.1.0	Rel-4	PLMN interaction with Manual Mode	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	171		4.1.0	Rel-4	Clause 8.3 HCS cell reselection	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	172		4.1.0	Rel-4	Clause 8.3.7.13 Inter system handover from UTRAN/To GSM/ success / call under establishment	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	173		4.1.0	Rel-4	Additional test cases for Physical Channel Reconfiguration from CELL_FACH to CELL_PCH or URA_PCH	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	174		4.1.0	Rel-4	Additional test cases for Transport channel Reconfiguration from CELL_FACH to CELL_PCH or URA_PCH	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	175		4.1.0	Rel-4	Additional test case for RRC connection establishment on another frequency	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020042	34.123-1	176		4.1.0	Rel-4	Additional test case for UE response to changes of System Information data and structure	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020043	34.123-2	045		4.1.0	Rel-4	Corrections to R'4 RRC test cases applicability	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020043	34.123-2	046		4.1.0	Rel-4	Update of Applicability table for RRC test cases	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020043	34.123-2	047		4.1.0	Rel-4	Applicability for 8.4.1 Measurement Control and Report test cases	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1

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TP-020043	34.123-2	048		4.1.0	Rel-4	Applicability for 6.1.2.8 Cell reselection : Equivalent PLMN	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020043	34.123-2	049		4.1.0	Rel-4	Applicability for 8.3.7.13 Inter system handover from UTRAN/To GSM/ success / call under establishment	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020043	34.123-2	050		4.1.0	Rel-4	Applicability for 8.3 HCS cell reselection	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020043	34.123-2	051		4.1.0	Rel-4	Corrections to applicability table for Measurement Control and Report Test Cases	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020043	34.123-2	052		4.1.0	Rel-4	Applicability statements for additional Measurement Control and Report test cases	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020043	34.123-2	053		4.1.0	Rel-4	Correction to applicability statements of MAC test cases	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020043	34.123-2	054		4.1.0	Rel-4	Applicability of new test cases	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020043	34.123-2	055		4.1.0	Rel-4	Applicability of 8.1 RRC Connection Management Procedure (TDD both modes)	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020043	34.123-2	056		4.1.0	Rel-4	Applicability of 8.2 RRC Radio Bearer Control Procedure (TDD both modes)	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020043	34.123-2	057		4.1.0	Rel-4	Clarification of applicable releases (TDD) of test cases in TS 34.123-2	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020043	34.123-2	058		4.1.0	Rel-4	Correction of the applicability table for test case 11.1.1.2.1 QoS offered by the network is a lower QoS / QoS accepted by UE	approved	F	4.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020014	07.10	A025		6.4.0	R97	Incorrect explanation of length indicator bit	approved	F	6.5.0	Terminal Equipment to Mobile Station (TE-MS) multiplexer protocol	T2
TP-020014	07.10	A026		7.1.0	R98	Incorrect explanation of length indicator bit	approved	A	7.2.0	Terminal Equipment to Mobile Station (TE-MS) multiplexer protocol	T2
TP-020015	23.038	009		4.4.0	Rel-5	User Data Header support over CBS	approved	F	5.0.0	Alphabets and language-specific information	T2
TP-020015	23.040	041		5.2.0	Rel-5	Wireless Vector Graphics in EMS	approved	B	5.3.0	Technical realization of Short Message Service (SMS)	T2
TP-020015	23.040	042		5.2.0	Rel-5	Polyphonic Extended Object	revised	B		Technical realization of Short Message Service (SMS)	T2
TP-020079	23.040	042	1	5.2.0	Rel-5	Polyphonic Extended Object	approved	B	5.3.0	Technical realization of Short Message Service (SMS)	T2
TP-020015	23.040	043		3.7.0	R99	MO-SMS duplicate message response	approved	F	3.8.0	Technical realization of Short Message Service (SMS)	T2

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TP-020015	23.040	044		4.5.0	Rel-4	MO-SMS duplicate message response	approved	A	4.6.0	Technical realization of Short Message Service (SMS)	T2
TP-020015	23.040	045		5.2.0	Rel-5	MO-SMS duplicate message response	approved	A	5.3.0	Technical realization of Short Message Service (SMS)	T2
TP-020015	23.040	046		5.2.0	Rel-5	Subaddressing scheme for SMS	revised	B		Technical realization of Short Message Service (SMS)	T2
TP-020015	23.040	046	1	5.2.0	Rel-5	Subaddressing scheme for SMS	approved	B	5.3.0	Technical realization of Short Message Service (SMS)	T2
TP-020015	23.040	047		5.2.0	Rel-5	Alternate Reply Address Element	approved	B	5.3.0	Technical realization of Short Message Service (SMS)	T2
TP-020015	23.040	048		5.2.0	Rel-5	Extended Object Data Request Command	approved	C	5.3.0	Technical realization of Short Message Service (SMS)	T2
TP-020013	23.057	107		4.4.0	Rel-5	Adding ARPK to the abbreviation list	approved	F	5.0.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020013	23.057	108		4.4.0	Rel-5	Updating the references	approved	F	5.0.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020013	23.057	109		4.4.0	Rel-5	Replacing MExE application with MExE executable	approved	F	5.0.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020013	23.057	110		4.4.0	Rel-4	Changing the urls for the CLDC/MIDP references	approved	F	4.5.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020013	23.057	111		4.4.0	Rel-5	Classmark 4 non-security	approved	B	5.0.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020013	23.057	112		4.4.0	Rel-5	Classmark 4 security	approved	B	5.0.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020013	23.057	113		4.4.0	Rel-5	Adding MSISDN to the security table	approved	F	5.0.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020013	23.057	114		4.4.0	Rel-5	Making storage of ORPK in ME optional	approved	F	5.0.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020013	23.057	115		4.4.0	Rel-5	Interpretation of user control	approved	F	5.0.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020013	23.057	116		4.4.0	Rel-5	Specify more explicitly the MExE executable definition	approved	F	5.0.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020013	23.057	117		4.4.0	Rel-5	Remove unused abbreviations	approved	F	5.0.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020016	23.140	034		4.5.0	Rel-4	Correction on the SMTP-address encoding	approved	F	4.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	035		4.5.0	Rel-4	Correction on the MIME Content-Type Message format on MM4	approved	F	4.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	036		4.5.0	Rel-4	Correction of the Forwarding Feature	approved	F	4.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	037		5.1.0	Rel-5	Correction on the SMTP-address address encoding	approved	A	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	038		5.1.0	Rel-5	Introduction of SMTP service extensions over MM4	approved	B	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	039		5.1.0	Rel-5	MM4 forward routing failure	approved	B	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	040		5.1.0	Rel-5	Clarification of existing request status codes over MM4	approved	B	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
TP-020016	23.140	041		5.1.0	Rel-5	Delivery report definition correction	approved	F	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	042		5.1.0	Rel-5	VASP abbreviation	approved	F	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	043		5.1.0	Rel-5	Correction on the MIME Content-Type Message format on MM4	approved	A	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	044		5.1.0	Rel-5	Correction of addressing on MM1_Submit.REQ	approved	F	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	045		5.1.0	Rel-5	Correction of the Forwarding Feature	approved	A	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	046		5.1.0	Rel-5	Detection of duplicate MMs	approved	F	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	047		5.1.0	Rel-5	Submission Description Enhancement regarding the IE "Date and Time"	approved	F	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	048		5.1.0	Rel-5	Adding a reference to 3GPP TS 32.235	approved	F	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	049		5.1.0	Rel-5	Terminal Capability Negotiation	approved	B	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	050		5.1.0	Rel-5	Recipient MSISDN address resolution	approved	B	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	051		5.1.0	Rel-5	Reply-charging bug fixes	approved	F	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	052		5.1.0	Rel-5	Support of Reply-Charging in MM7	approved	B	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	053		5.1.0	Rel-5	VASP-related CDR generation	approved	B	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	054		5.1.0	Rel-5	Persistent Networked-Based Storage Functions	approved	B	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	055		5.1.0	Rel-5	Functional Description and Abstract Messages for MM7 realization	approved	B	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	056		5.1.0	Rel-5	MMS UA behaviour with respect to handling MMS parameters on the USIM	approved	B	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	057		5.1.0	Rel-5	MM1 <-> MM4 header mapping	approved	B	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	058		5.1.0	Rel-5	Editorial changes	approved	D	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	059		5.1.0	Rel-5	Correction to Call Data Records definitions	approved	F	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	060		5.1.0	Rel-5	MM1 addressing formats	approved	C	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	061		5.1.0	Rel-5	Reference point MM8 to billing system	approved	B	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	062		5.1.0	Rel-5	MM7 Addressing	approved	B	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	063		5.1.0	Rel-5	Clarification about Streaming in MMS	approved	F	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020016	23.140	064		5.1.0	Rel-5	Clarifications on responsibilities of MMS User Agent and MMS Relay/Server	approved	F	5.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
TP-020014	23.227	005		4.1.0	Rel-4	Alignment of UE architecture with 23.101	approved	F	4.2.0	Application and user interaction in the UE; Principles and specific requirements	T2
TP-020014	23.227	006		5.0.0	Rel-5	Alignment of UE architecture with 23.101	approved	A	5.1.0	Application and user interaction in the UE; Principles and specific requirements	T2
TP-020014	27.007	082		3.10.0	R99	Alignment of UE architecture with 23.101	approved	F	3.11.0	AT command set for 3G User Equipment (UE)	T2
TP-020014	27.007	083		4.3.0	Rel-4	Alignment of UE architecture with 23.101	approved	A	4.4.0	AT command set for 3G User Equipment (UE)	T2
TP-020014	27.007	084		5.0.0	Rel-5	Alignment of UE architecture with 23.101	approved	A	5.1.0	AT command set for 3G User Equipment (UE)	T2
TP-020014	27.010	007		3.3.0	R99	Incorrect explanation of length indicator bit	approved	A	3.4.0	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	T2
TP-020014	27.010	008		4.1.0	Rel-4	Incorrect explanation of length indicator bit	approved	A	4.2.0	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	T2
TP-020014	27.901	001		3.0.0	R99	Alignment of UE architecture with 23.101	approved	F	3.1.0	Report on Terminal Interfaces - An Overview	T2
TP-020014	27.901	002		4.0.0	Rel-4	Alignment of UE architecture with 23.101	approved	A	4.1.0	Report on Terminal Interfaces - An Overview	T2
TP-020062	11.13	004		7.3.0	R98	Testing Framework Update for the 3GPP TS 11.13 Specification	withdrawn	F		Test specification for SIM API for Java card	T3
TP-020073	11.13	004	-	7.3.0	R98	Testing Framework Update for the 3GPP TS 11.13 Specification	approved	F	7.4.0	Test specification for SIM API for Java card	T3
TP-020064	11.14	A209		8.9.0	R99	Correction of Channel Status Simple TLV Tag Value	approved	F	8.10.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-020063	23.048	017		5.2.0	Rel-5	Define link between Open Platform Security Domain and 23.048 secure messaging	approved	B	5.3.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-020063	23.048	018		4.2.0	Rel-4	Clarifications on Access Domain Parameter	approved	F	4.3.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-020063	23.048	019		5.2.0	Rel-5	Clarifications on Access Domain Parameter	approved	F	5.3.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-020065	31.102	104		4.3.0	Rel-5	UICC presence detection	approved	F	5.0.0	Characteristics of the USIM Application	T3
TP-020065	31.102	105		4.3.0	Rel-4	Editorial changes to START-HFN and THRESHOLD files	approved	D	4.4.0	Characteristics of the USIM Application	T3
TP-020065	31.102	106		4.3.0	Rel-5	Indication of Call Control on GPRS in UST	approved	B	5.0.0	Characteristics of the USIM Application	T3
TP-020065	31.102	107		4.3.0	Rel-4	Introduction of MMS files and procedures	approved	B	4.4.0	Characteristics of the USIM Application	T3
TP-020064	31.111	062		4.5.0	Rel-4	Usage of Simple TLV Tag Values	approved	F	4.6.0	USIM Application Toolkit (USAT)	T3
TP-020064	31.111	063		4.5.0	Rel-5	Extension of Call Control to GPRS	approved	B	5.0.0	USIM Application Toolkit (USAT)	T3
TP-020064	31.111	064		4.5.0	Rel-5	SAT Display Menus in Colour and Various Text Formats	approved	B	5.0.0	USIM Application Toolkit (USAT)	T3
TP-020066	31.113	005		5.1.0	Rel-5	Functional Additions to WML Annex	approved	B	5.2.0	USAT interpreter byte codes	T3
TP-020066	31.113	006		5.1.0	Rel-5	Miscellaneous corrections and clarifications on the specification.	approved	F	5.2.0	USAT interpreter byte codes	T3
TP-020066	31.113	007		5.1.0	Rel-5	Clarification on behaviour on Single Actions for Terminal Response Handler	approved	F	5.2.0	USAT interpreter byte codes	T3
TP-020066	31.113	008		5.1.0	Rel-5	Addition of security plug-ins	approved	B	5.2.0	USAT interpreter byte codes	T3
TP-020067	31.122	005		3.1.0	R99	Removal of an invalid transfer protocol test case	approved	F	3.2.0	USIM conformance test specification	T3
TP-020067	31.122	006		3.1.0	R99	Corrections to 31.122	approved	F	3.2.0	USIM conformance test specification	T3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
TP-020068	31.900	002		3.1.0	R99	Correction to SIM/USIM file mapping table	approved	F	3.2.0	SIM/USIM internal and external interworking aspects	T3
TP-020068	31.900	003	1	3.1.0	R99	CHV mapping	approved	D	3.2.0	SIM/USIM internal and external interworking aspects	T3
TP-020068	31.900	004		3.1.0	Rel-5	CHV mapping	approved	D	5.0.0	SIM/USIM internal and external interworking aspects	T3
TP-020062	43.019	010		5.1.0	Rel-5	SET-UP-MENU command issued if all the items supporting help are disabled.	withdrawn	F		Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020073	43.019	010	-	5.1.0	Rel-5	SET-UP-MENU command issued if all the items supporting help are disabled.	approved	F	5.2.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020062	43.019	011		5.1.0	Rel-5	Indication of the handler size to the applet	withdrawn	B		Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020073	43.019	011	-	5.1.0	Rel-5	Indication of the handler size to the applet	approved	B	5.2.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020062	43.019	012		5.1.0	Rel-5	Clarification on framework behaviour for PoR using SMS SUBMIT	withdrawn	F		Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020073	43.019	012	-	5.1.0	Rel-5	Clarification on framework behaviour for PoR using SMS SUBMIT	approved	F	5.2.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020062	43.019	013		5.1.0	Rel-5	Introduction of Concatenated Short Messages in SMS Point to Point.	withdrawn	B		Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020073	43.019	013	-	5.1.0	Rel-5	Introduction of Concatenated Short Messages in SMS Point to Point.	rejected	B		Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020062	43.019	014		5.1.0	Rel-5	Change in the EnvelopResponseHandler behavior	withdrawn	B		Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020073	43.019	014	-	5.1.0	Rel-5	Change in the EnvelopResponseHandler behavior	approved	B	5.2.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020062	43.019	015		5.1.0	Rel-5	Handler availability	withdrawn	C		Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020073	43.019	015	-	5.1.0	Rel-5	Handler availability	approved	C	5.2.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3

Annex G: Definition of Release 4, extracted from the Project Plan - version 02/03/25

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
9	TSG RAN	NA	Yes	RAN improvements [in progress]	RANimp	TSG	Mon 21/08/00	Mon 30/06/03	49%	No	No			
2102	WG T1		No	Conformance Test Aspects - RAN Improvements			Tue 01/01/02	Wed 04/09/02	0%	No	No	0%		
2461	WG T1	Rel4	Yes	Testing RAB support enhancements-Robust Header Compression		TSG	Mon 01/04/02	Wed 04/09/02	0%	No	No			
1571	WG SA3	NA	No	Security enhancements [in progress]	SEC1	TSG	Mon 03/01/00	Fri 28/06/02	43%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
1583	WG SA3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing	
0		Rel4	No	----- Rel-4 features listed below -----			Mon 03/01/00	Mon 03/01/00	0%	No	No			
1340	WG SA1	Rel4	No	Facsimile	FAX	TSG	Tue 22/02/00	Fri 23/06/00	100%	Yes	Yes			
1539	WG SA4	Rel4	No	Transparent End-to-End PS mobile streaming application	PSTREAM	TSG	Mon 03/04/00	Wed 21/03/01	100%	Yes	Yes	26.233, 26.234		
1818	WG T2	Rel4	No	Multimedia Messaging	MMS	TSG	Tue 22/02/00	Wed 14/03/01	100%	No	Yes	22.140, 23.140		Josef Laumen, Siemens
1541	WG CN4	Rel4	No	Transcoder-Free Operation	TrFO		Mon 03/01/00	Fri 30/03/01	100%	No	No		Lead given to CN4 from CN...	
2310	TSG GERAN	Rel4	No	GERAN improvements 1 (Gb over IP)	GEIMP1	TSG	Tue 09/05/00	Mon 19/03/01	100%	No	No			
2314	TSG GERAN	Rel4	No	GERAN improvements 2 (NACC)	GEIMP2	TSG	Mon 06/11/00	Wed 10/04/02	88%	No	No			
2324	TSG GERAN	Rel4	No	GERAN improvements 4 (Delayed TBF)		TSG	Mon 15/01/01	Fri 08/06/01	100%	No	No			
1222	WG RAN1	Rel4	No	Low Chip Rate TDD option	LCRTDD	TSG	Wed 19/07/00	Mon 01/12/03	66%	No	No			G. Yang, CWTS
1322	WG SA2	Rel4	No	Enable bearer independent CS architecture	CSSPLIT	TSG	Mon 03/01/00	Fri 01/03/02	68%	No	No			Alexander Milinski, Siemens
1445	WG T2	Rel4	No	MExE enhancements Rel-4	MEXE	TSG	Mon 03/01/00	Fri 14/12/01	89%	Yes	Yes			
1631	WG SA4	Rel4	No	Tandem Free aspects for 3G and between 2G and 3G systems	TFO		Tue 22/02/00	Fri 15/06/01	100%	No	No		RAN and CN to verify no problems for GSM terminals roaming in 3G R99	

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2230	WG CN1	Rel4	No	Advanced Speech Call Items enhancements_REL-4	ASCI	TSG	Sun 03/12/00	Thu 14/03/02	100%	No	No		Approved in TSGN_10...	Sonia Garapaty
2403	TSG GERAN	Rel4	No	700 MHz spectrum support	700SS		Mon 03/01/00	Fri 19/04/02	78%	No	No			
2463	TSG CN	Rel4	No	Operator Determined Barring for Packet Oriented Services	ODB	TSG	Thu 01/06/00	Mon 19/03/01	100%	No	No		Completed WI missing from the P-plan Added for tracking	oshiyuki Tamura
2546	WG SA2	Rel4	No	UMTS QoS Architecture for PS Domain	QoSPS	TSG	Mon 03/01/00	Wed 27/11/02	60%	No	No			Ina Widegren, Ericsson
1993	Generic	Rel4	No	small Technical Enhancements and Improvements for Rel4	TEI4	TSG	Mon 03/01/00	Fri 30/03/01	100%	Yes	Yes		"""Joker"" WI, to be used for a Rel 4 CR not related to any feature and with very limited impact on the system"	
400002	TSG RAN	NA	Yes	Rel-4 Evolutions of the transport in the UTRAN	ETRAN	TSG	Mon 21/08/00	Fri 23/08/02	69%	No	No			Francois Courau
12	WG RAN3	Rel4	No	QoS optimisation for AAL2 connections over Iub and Iur interfaces	ETRAN-QoSAAL2	TSG	Mon 21/08/00	Fri 30/03/01	100%	Yes	Yes			T. Yoshimura, Japan Telecom
1995	WG RAN3	Rel4	No	Transport bearer modification procedure on Iub, Iur, and Iu	ETRAN-MigrMod	TSG	Mon 02/10/00	Fri 30/03/01	100%	Yes	Yes			T. Yoshimura, Japan Telecom
400004	WG CN4	NA	Yes	Rel-4 Evolutions of the transport in the CN	CNTRSP		Mon 29/05/00	Fri 23/03/01	100%	No	No		WI formulation assigned to N4	
859	WG CN4	Rel4	No	IP Transport of CN protocols (e.g., CAP, MAP)	SS7IP		Thu 07/12/00	Fri 23/03/01	100%	No	No		AS: corrected to Rel4 as stated at SA#10	
1513	WG SA2	Rel4	No	FS on Transport and control separation in the PS CN domain		TSG	Mon 29/05/00	Fri 23/03/01	100%	Yes	Yes		Rel4 added	Juan-Antonio Ibanez, Ericsson Deutschland
401216	TSG RAN	NA	Yes	Rel-4 Improvements of Radio Interface	RInImp	TSG	Mon 10/07/00	Fri 14/03/03	60%	No	No			
1509	WG RAN4	Rel4	No	UTRA repeater specification (master)	RInImp-REP	TSG	Mon 10/07/00	Wed 21/03/01	100%	Yes	Yes			"T. Kummetz, Mikom; Alf Ahlström, Allgon"
1994	WG RAN1	Rel4	No	DSCH power control improvement in soft handover	RInImp-DSCHsho	TSG	Mon 11/09/00	Fri 23/03/01	100%	Yes	Yes			A. Toskala, Nokia
401839	WG T1		No	Conformance Test Spec. Rel-4 improvements in Radio Interface			Mon 08/10/01	Fri 14/03/03	15%	No	No			
2214	WG T1	Rel4	No	Testing DSCH power control improvement in soft handover			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
400009	TSG RAN	NA	Yes	Rel-4 RAN improvements	RANimp	TSG	Mon 14/08/00	Wed 04/09/02	52%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
655	WG RAN1	Rel4	No	Node B synchronisation for TDD	RANimp-NBsync	TSG	Mon 14/08/00	Fri 23/03/01	100%	Yes	Yes			S. Oestreich, Siemens
2206	WG RAN2	Rel4	No	RAB support enhancement for Rel-4	RANimp-RABSE	TSG	Mon 21/08/00	Fri 23/03/01	100%	No	No		"29 Nov 2000: split into ROHC and non-ROHC part; 5 Mar 2001: splitting off of ROHC for Rel-4 agreed by R2"	M. Israelsson, A. Krishnarajah, Ericsson
402102	WG T1		No	Conformance Test Aspects - Rel-4 RAN Improvements			Tue 01/01/02	Wed 04/09/02	0%	No	No	0%		
2461	WG T1	Rel4	Yes	Testing RAB support enhancements-Robust Header Compression		TSG	Mon 01/04/02	Wed 04/09/02	0%	No	No			
401652	WG CN1	NA	Yes	Rel-4 Emergency call enhancements	EMC1	WG	Mon 03/01/00	Mon 02/12/02	15%	Yes	No			Mr Rouzbeh, Ericsson
1654	WG CN1	Rel4	No	For CS based calls	EMC1-CS	TSG	Mon 03/01/00	Mon 02/12/02	15%	Yes	Yes		WI approved in TSG_10...	Mr Rouzbeh, Ericsson
401637	WG SA1	NA	Yes	Rel-4 OSA enhancements	OSA1	TSG	Tue 11/07/00	Fri 07/06/02	84%	No	No	22.127, 23.127, 29.198-x, 29.998-x		Jörg Swetina, SIEMENS AG
2120	WG SA2	Rel4	No	General Stage 2 for Rel4	OSA1	TSG	Thu 03/08/00	Thu 29/03/01	100%	No	No	23.127		Christophe GOURRAUD, Ericsson Canada
401826	WG T2	NA	Yes	Rel-4 Terminal interfaces	TI		Mon 03/01/00	Thu 15/03/01	87%	No	No			
1827	WG T2	Rel4	No	AT commands enhancements	TI-ATC		Mon 03/01/00	Wed 14/03/01	71%	No	No	27.007		
1829	WG T2	NA	Yes	Wide Area Data Synchronisation	TI-WADS		Mon 03/01/00	Wed 14/03/01	100%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added	
1830	WG T2	Rel4	No	Continues evolution of Synchronisation protocol	TI-SYNC-EVOL		Mon 03/01/00	Wed 14/03/01	100%	No	No	27.903, 27.103		
1832	WG T2	Rel4	No	Terminal local model	TLM	TSG	Tue 16/05/00	Thu 15/03/01	100%	No	Yes	23.227		Olga Tomé, Ericsson
401536	WG SA2	NA	Yes	Rel-4 Location Services enhancements	LCS1	TSG	Mon 03/04/00	Fri 28/12/01	99%	No	No			Jan Kall, Nokia
2229	WG T2	Rel4	No	CBS interactions	LCS1-CBS		Mon 03/04/00	Fri 28/12/01	100%	No	No	23.041		
523	WG SA2	Rel4	No	LCS support in the CS domain	LCS1-CS		Mon 15/05/00	Fri 19/01/01	100%	No	No		Only MAP impact foreseen so far. To be further split if needed.	
525	WG SA2	Rel4	No	LCS support in the PS domain	LCS1-PS		Mon 01/05/00	Fri 28/12/01	100%	No	No			
1600	TSG RAN	NA	No	UE positioning Rel-4	LCS1-UEpos	TSG	Mon 03/04/00	Fri 30/03/01	100%	Yes	Yes			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1601	WG RAN3	Rel4	No	Iub/Iur interfaces for methods Rel 99	LCS1-UEpos-IubIur	TSG	Mon 03/04/00	Fri 30/03/01	100%	No	Yes		"27/11: WG corrected; rapporteur corrected"	Yun-Chao Hu, Ericsson
1602	WG RAN2	Rel4	No	UE positioning enhancements - IPDL for TDD	LCS1-UEpos-enh	TSG	Mon 28/08/00	Fri 23/03/01	100%	No	No		5 Mar 2001: splitting off of IPDL for TDD for Rel-4 agreed by R2	M. Beckmann, Siemens
401560	WG T3	NA	Yes	Rel-4 UICC/(U)SIM enhancements and interworking	UICC1		Mon 24/07/00	Fri 23/03/01	100%	No	No			
1799	WG T3	Rel4	No	Common PCN Handset Specification (CPHS)	UICC1-CPHS	TSG	Mon 24/07/00	Fri 23/03/01	100%	No	Yes	27.103	28/5/2001: CRs approved at TP-11. WI complete.	?, One2One
1800	WG T3	NA	Yes	Rel-4 (U)SIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 23/03/01	100%	No	No			
2034	WG T3	Rel4	No	USAT local link	USAT1-LocLnk	TSG	Mon 05/06/00	Fri 23/03/01	100%	Yes	Yes		25/5/2001:CR was approved at TP-11. WI is complete	Jean-Francois Rubon (Gemplus)
401571	WG SA3	NA	No	Rel-4 Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 15/03/02	77%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
1587	WG SA3	Rel4	No	Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)	SEC1-CSALGO1	TSG	Mon 03/01/00	Mon 15/01/01	34%	Yes	Yes		Algorithm development go-ahead at SA3#21. Scheduled for completion in August 2002?	?
1588	WG SA3	Rel4	No	Evolution of GSM PS algorithms (e.g. GEA 2 deployment)	SEC1-PSALGO1	TSG	Tue 22/02/00	Fri 22/12/00	100%	Yes	Yes		A5/3 development will consider new GEA algorithm based on Kasumi.	?
1583	WG SA3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing	
401142	WG SA5	NA	No	Rel-4 Charging and OAM&P	OAM	TSG	Fri 01/12/00	Fri 05/10/01	100%	No	No	32-series	az: WID appr.SA#13.	Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
2089	WG SA5	Rel4	No	Rel4 Principles, high level Requirements and Architecture	OAM-AR/PR	TSG	Fri 01/12/00	Thu 21/06/01	100%	Yes	Yes	32.101, 32.102	az: WID appr.SA#13.	Michael TRUSS (Motorola), Tommy BERGGREN (Telia AB)
2088	WG SA5	Rel4	No	Rel4 Performance Management	OAM-PM	TSG	Fri 01/12/00	Fri 28/09/01	100%	No	No	32.4xy, 52.402	az: WID appr.SA#12.	Karl-Heinz NENNER (T-Mobil)
2081	WG SA5	Rel4	No	Fault Management	OAM-FM	TSG	Fri 01/12/00	Fri 05/10/01	100%	Yes	Yes	32.111-1/4	az: WID appr.SA#10.	Patrick JURÉ (Lucent Technologies)
2082	WG SA5	Rel4	No	Configuration Management	OAM-CM	TSG	Fri 01/12/00	Thu 21/06/01	100%	No	No	32.106-1/8	az: WID appr.SA#10.	Thomas TOVINGER (Ericsson)

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2083	WG SA5	Rel4	No	Rel4 Charging Management	OAM-CH	TSG	Fri 01/12/00	Fri 28/09/01	100%	No	No	32.2xy (Charging)	az: WID appr.SA#10.	Karl-Heinz NENNER (T-Mobil)
2071	WG SA5	Rel4	No	UTRAN Operations and Maintenance procedures	UOAM	TSG	Fri 01/12/00	Thu 21/06/01	100%	Yes	No	32.800	az: WID appr.SA#10	Bert Boden (Mannesmann Mobilfunk)

Annex H: Current content of Release 5, extracted from the Project Plan - version 02/03/25

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	TSG RAN	NA	Yes	Evolutions of the transport in the UTRAN [in progress]	ETRAN	TSG	Mon 17/07/00	Fri 29/03/02	89%	No	No			Francois Courau
625	WG RAN3	Rel5	No	IP transport in the UTRAN	ETRAN-IPtrans	TSG	Mon 17/07/00	Fri 29/03/02	90%	Yes	Yes			Nicolas Drevon, Alcatel
2257	WG RAN3	Rel5	No	Evolution of transport in UTRAN and GERAN	ETRANG	TSG	Mon 24/09/01	Fri 22/03/02	0%	No	No			
4	WG CN4	NA	Yes	Evolutions of the transport in the CN [in progress]	CNTRSP		Mon 12/03/01	Fri 21/12/01	100%	No	No		WI formulation assigned to N4	
2455	WG CN4	Rel5	No	FS on Usage of SUA	SS7IP		Mon 12/03/01	Fri 21/12/01	100%	No	No		update WID...	
2476	WG RAN2	Rel5	No	High Speed Downlink Packet Access	HSDPA	TSG	Mon 02/04/01	Fri 14/06/02	72%	No	No			Ravi Kuchibhotla, Motorola
1216	TSG RAN	NA	Yes	Improvements of Radio Interface [in progress]	RInImp	TSG	Mon 19/06/00	Mon 30/06/03	38%	No	No			
1470	WG RAN1	Rel5	No	Improvement of inter-frequency and inter-system measurement	RInImp-IfIsM	TSG	Mon 01/01/01	Tue 03/12/02	0%	Yes	Yes			tbd by RAN WG1
1471	WG RAN4	Rel5	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/00	Fri 20/12/02	68%	Yes	Yes			A. Toskala, Nokia
2469	WG RAN1	Rel5	No	Enhancement on the DSCH hard split mode	RInImp-DSCHhsp	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Jaeyoel KIM, Samsung
2471	WG RAN1	Rel5	No	FS on Fast Cell Selection (FCS) for HS-DSCH	RInImp-FCS	TSG	Fri 16/03/01	Tue 03/12/02	0%	No	No			Robert Love, Motorola
1506	WG RAN1	Rel5	No	FS on Radio link performance enhancements	RInImp-Rlperf	TSG	Mon 14/08/00	Tue 03/09/02	31%	Yes	Yes			tbd by RAN WG1
1221	WG RAN1	Rel5	No	FS on USTS	RInImp-USTS	TSG	Mon 14/08/00	Fri 21/12/01	100%	Yes	Yes			D. Kim, SK Telecom
1997	WG RAN4	Rel5	No	FS on UE antenna efficency test method performance requirements	RInImp-UEAnTM	TSG	Mon 25/09/00	Fri 14/09/01	100%	Yes	Yes			O. Edvardsson, Allgon
2494	WG RAN4	Rel5	No	FS on the re-introduction of the downlink SIR measurement	RInImp-SIR	TSG	Mon 12/03/01	Fri 14/12/01	100%	No	No			Torgny Palenius, Ericsson
24001	WG RAN4	Rel5	No	FS on UTRA WideBand Distribution Systems	RInImp-WDS	TSG	Mon 12/03/01	Fri 14/03/03	60%	No	No			Andrea Casini, Tekmar Sistemi
2493	WG RAN4	Rel5	No	FS on mitigating the effect of CPICH interference at the UE	RInImp-CPICH_Intf	TSG	Mon 19/03/01	Fri 08/03/02	100%	No	No			Shimon Moshavi, Intel

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
21000	WG RAN1	Rel5	No	FS on Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD	RnImp-IfIsMLCR	TSG	Fri 14/12/01	Tue 04/06/02	14%	No	No			Li Xiao Qiang, SAMSUNG
1839	WG T1		No	Conformance Test Spec. improvements in Radio Interface			Mon 18/02/02	Fri 30/08/02	0%	No	No			
2210	WG T1	Rel5	No	Testing improvement of inter-frequency and inter-system measurement			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
2211	WG T1	Rel5	No	Testing Hybrid ARQ II/III			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
9	TSG RAN	NA	Yes	RAN improvements [in progress]	RANimp	TSG	Mon 21/08/00	Mon 30/06/03	49%	No	No			
656	WG RAN3	Rel5	No	RRM optimization for Iur and Iub	RANimp-RRMopt	TSG	Fri 16/03/01	Fri 28/06/02	87%	Yes	Yes			Gert-Jan van Lieshout, Ericsson
2488	WG RAN3	Rel5	No	RL Timing Adjustment	RANimp-RLTA	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Elena Voltolina, Ericsson
2489	WG RAN3	Rel5	No	Separation of resource reservation and radio link activation	RANimp-SepRR	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Gert-Jan van Lieshout, Ericsson
2490	WG RAN3	Rel5	No	Improvement of Radio Resource Management across RNS and RNS/PSS	RANimp-ImpRRM	TSG	Fri 16/03/01	Fri 21/12/01	90%	No	No			Antti Toskala, Nokia
2491	WG RAN3	Rel5	No	Re-arrangements of Iub transport bearers	RANimp-TTPS	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Antti Toskala, Nokia
23003	WG RAN3	Rel5	No	SRNS Relocation Procedure Enhancement	RANimp-SRNS	TSG	Fri 15/06/01	Fri 28/06/02	61%	No	No			Olivier Guyot, Nokia
1680	TSG RAN	Rel5	No	Header compression removal/stripping in the RAN			Mon 21/08/00	Wed 20/06/01	0%	No	No		from AHR00-0031, contact RAN	
1686	TSG RAN	Rel5	No	Unequal error protection in PS domain in the RAN			Mon 21/08/00	Wed 20/06/01	0%	No	No		from AHR00-0031, contact RAN	
21001	WG RAN1	Rel5	No	Beamforming requirements for UE	RANimp-BFR-UE	TSG	Fri 21/09/01	Fri 14/12/01	100%	No	No			Jussi Kähtävä, Nokia
20999	WG RAN1	Rel5	No	Beamforming Enhancements	RANimp-BFE	TSG	Fri 14/12/01	Tue 03/12/02	12%	No	No			Jussi Kähtävä, Nokia
21002	WG RAN1	Rel5	No	Support of Site Selection Diversity Transmission in UTRAN	RANimp-SSDT	TSG	Fri 14/12/01	Tue 04/06/02	95%	No	No			NEC
2472	WG RAN1	Rel5	No	Node B Synchronisation for 1.28 Mcps TDD	RANimp-NBSLCR	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Jinling HU, CWTS/CATT
1273	WG SA1	NA	Yes	Provisioning of IP-based multimedia services	IMS	TSG	Mon 03/01/00	Fri 27/12/02	70%	No	No		S1 WI proposed S1-000290...	Mark Cataldo, Motorola

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1274	WG SA2	Rel5	No	Call control and roaming to support IMS in UMTS	IMS-CCR	TSG	Mon 03/01/00	Fri 14/06/02	84%	No	No			Liz Daniel, Lucent
1298	WG SA3	Rel5	No	Access Security for IMS	IMS-ASEC	TSG	Mon 25/06/01	Fri 05/07/02	11%	Yes	No		TS33.203 will be presented for info at SA#14 and is scheduled for approval at SA#15. Dependencies on IETF exist	Krister Boman, Ericsson
2574	WG SA3	Rel5	No	Security Aspects of Requirement for Network Configuration Independence	SEC1-NCI	TSG	Mon 02/07/01	Fri 28/12/01	85%	No	No		Incorporated into IMS access security TS (33.203) which will be presented for info at SA#14 and is scheduled for approval at SA#15. Some editor's notes remain.	Hugh Shieh, AT&T Wireless Services
35007	WG SA5	Rel5	No	Charging and OAM&P for IMS	IMS-OAM	TSG	Mon 25/12/00	Fri 21/12/01	90%	No	No	32-series	az: WID appr.SA#13.	Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
2036	WG SA4	Rel5	No	Multimedia codecs and protocols for conversational PS services	IMS-CODEC	TSG	Wed 26/07/00	Fri 28/06/02	45%	Yes	Yes	26.235, 26.236		B. Aronson, Toshiba, and P. Ojala, Nokia
34020	WG SA4	Rel5	No	Transport protocols	IMS-CODEC		Tue 12/03/02	Tue 12/03/02	100%	No	No	26.236		P. Ojala, Nokia
32003	WG SA2	Rel5	No	SIP message compression			Mon 24/09/01	Fri 07/06/02	56%	No	No			
10001	TSG CN	Rel5	No	Stage 3 description of IMS interfaces			Wed 14/03/01	Fri 07/06/02	84%	No	No			
1310	WG CN5	Rel5	Yes	Support of VHE/OSA by entities and protocols of the IMS (e.g. CSCF)	IMS-ONOSA	TSG	Fri 21/09/01	Fri 07/06/02	70%	Yes	Yes	29.198, 29.998	az: CN#14 - Link to revised WID	Ard-Jan MOERDIJK (Ericsson L.M.)
12000	WG CN2	Rel5	Yes	Support of CAMEL by the IMS	IMS-CAMEL		Mon 16/04/01	Fri 07/06/02	31%	Yes	Yes		DAB 12/12/01 up to 30%	
35005	WG SA5	Rel5	No	Charging	OAM-CH	TSG	Mon 06/08/01	Fri 28/06/02	86%	No	No	32.2xy (Charging)	az: WID appr.SA#14.	Karl-Heinz NENNER (T-Mobile)
10002	TSG CN	Rel5	No	Other IETF depencies			Fri 24/11/00	Fri 07/06/02	70%	No	No		Was introduced at SA#13 by Ileana Leuca (exact position in the WP and related WG have to be defined)	
1913	MLST	Rel5	No	Start Testing			Mon 18/03/02	Mon 18/03/02	0%	No	No			
34001	WG SA4	Rel5	No	Extended Transparent End-to-End PS Streaming Service	PSS-E	TSG	Thu 21/06/01	Fri 28/06/02	49%	No	No	26.233, 26.234		O. Franceschi, Ericsson
1517	WG SA2	Rel5	No	Global Text Telephony	GTT	TSG	Wed 28/06/00	Thu 29/08/02	82%	No	No		SP-000162 agreed WI. Rapporteur...	Gunnar Hellström, Ericsson

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1637	WG SA1	NA	Yes	OSA enhancements for Rel-5	OSA1	TSG	Tue 11/07/00	Fri 14/06/02	70%	No	No	22.127, 23.127, 29.198-x, 29.998-x		Jörg Swetina, SIEMENS AG
32020		Rel5	No	General issues			Mon 27/08/01	Fri 07/06/02	72%	No	No			
15001	WG CN5	Rel5	No	Framework for Stage 3	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	65%	No	No	29.198-03	az: 14/02/02 added	
1429	WG SA2	Rel5	No	OSA APIs for Multimedia Call Control	OSA1-CSCF	TSG	Tue 11/07/00	Fri 07/06/02	87%	No	No		For Rel5 even if completed by March	
1433	WG SA2	Rel5	No	Retrieval of Terminal capabilities	OSA1-TC	TSG	Tue 11/07/00	Fri 08/03/02	64%	No	No			
15003	WG CN5	Rel5	No	Generic user interaction - Stage 3	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	65%	No	No	29.198-05	az: 14/02/02 added	
15004	WG CN5	Rel5	No	Charging - Stage 3	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	95%	No	No	29.198-12	az: 14/02/02 added	
15005	WG CN5	Rel5	No	Policy Management - Stage 3	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	95%	No	No	29.198-13	az: 14/02/02 added	
15006	WG CN5	Rel5	No	Presence and Availability Management (PAM) - Stage 3	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	90%	No	No	29.198-14	az: 14/02/02 added	
15007	WG CN5	Rel5	No	"Call Control Service Mapping; Multiparty Call Control SIP - Stage 3"	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	70%	No	No	29.998-04-4	az: 14/02/02 added	
15999	WG CN5	Rel5	No	WSDL APIs for SOAP/HTTP - Stage 3	OSA2	TSG	Mon 11/09/00	Fri 07/06/02	38%	No	No	29.198, 29.998	az: 14/02/02 added	
2538	WG SA1	Rel5	No	Interaction with Rel-5 features		TSG	Fri 01/06/01	Thu 20/12/01	90%	No	No			
1419	WG SA3	Rel5	No	OSA security	OSA1-SEC	TSG	Tue 11/07/00	Fri 14/06/02	47%	Yes	Yes		CR to correct security specifications in 29.198 scheduled for approval at CN#15	Colin Blanchard, BT
1786	WG SA1	Rel5	No	CHECK STATUS - LCS - OSA interfaces	OSA1-LCSI	TSG	Mon 11/09/00	Fri 07/06/02	99%	No	No		az: CN#13 - changed to Rel5	Jörg Swetina, SIEMENS AG
1638	WG SA1	Rel5	No	CAMEL phase 4	CAMEL4	WG	Mon 03/01/00	Fri 14/06/02	80%	No	No			Keijo Palviainen, Nokia
2464	WG T2	Rel5	No	Rel-5 MExE enhancements	MEXE5	TSG	Wed 21/02/01	Thu 20/06/02	28%	Yes	Yes			
1625	WG SA4	Rel5	No	Wideband Telephony Service - AMR	AMRWB	TSG	Sat 01/01/00	Mon 26/08/02	53%	No	No			Imre Varga, Siemens AG
1826	WG T2	NA	Yes	Terminal interfaces [in progress]	TI		Mon 14/05/01	Wed 20/03/02	100%	No	No			
2573	WG T2	Rel5	No	Terminal local model enhancements	TLM5	TSG	Mon 14/05/01	Wed 20/03/02	100%	No	Yes	23.227		Olga Tomé, Ericsson

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1536	WG SA2	NA	No	Location Services enhancements [in progress]	LCS1	TSG	Mon 03/04/00	Mon 30/06/03	57%	No	No			Jan Kall, Nokia
1600	TSG RAN	NA	No	UE positioning [in progress]	LCS1-UEpos	TSG	Mon 28/08/00	Mon 30/06/03	47%	Yes	Yes			
2474	WG RAN2	Rel5	No	UE positioning enhancements for 1.28 Mcps TDD	LCS-128Pos	TSG	Mon 09/04/01	Fri 29/03/02	100%	No	No			Xiaohua Mei, CATT
2475	WG RAN2	Rel5	No	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 positioning	LCS-Rel4Pos	TSG	Mon 15/01/01	Fri 12/10/01	59%	No	No			Antti Toskala, Nokia
2125	WG RAN2	Rel5	No	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning	LCS-INTF	TSG	Mon 15/01/01	Fri 12/10/01	100%	No	No		Finished at RAN#13	Kirk Burroughs, Qualcomm
1171	WG SA1	Rel5	No	Event based and Periodic LCS	LCS1-EBP		Mon 22/05/00	Fri 07/06/02	71%	No	No			
2436	TSG GERAN	Rel5	No	Location Services for GERAN in A/Gb Mode	LCS-GERAN	TSG	Mon 03/04/00	Fri 08/02/02	100%	No	No			
2442	TSG GERAN	Rel5	No	Location Services for GERAN in Iu Mode	LCS-GERAN	TSG	Mon 03/04/00	Fri 19/04/02	67%	No	No			
32001	WG SA2	Rel5	No	Enhanced support for user privacy and subscriber data handling		WG	Mon 04/06/01	Fri 21/12/01	21%	No	No			
35008	WG SA5	Rel5	No	Charging and OAM&P for LCS enhancements	LCS1-OAM	TSG	Fri 21/09/01	Fri 28/06/02	90%	No	No	32-series	az: WID appr.SA#13.	Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
521	WG SA3	Rel5	No	New security aspects of LCS (not identified)	LCS1-SEC		Fri 14/04/00	Fri 28/12/01	15%	No	No		14/09/00: End date 28/12/01 WI may need to be split to improve on this date. S3#17 15% complete. No progress since S3#17	Valtteri Niemi, Nokia
32011	WG SA2	Rel5	No	Specification for the Le Interface	LCS1-Le	TSG	Mon 14/01/02	Fri 15/03/02	0%	No	No			
32012	WG SA2	Rel5	No	Support of the Presence Service Architecture	LCS1-Pres	WG	Mon 14/01/02	Fri 15/03/02	0%	No	No			
1800	WG T3	NA	Yes	(U)SIM toolkit enhancements [in progress]	USAT1		Mon 05/06/00	Fri 22/03/02	45%	No	No			
1801	WG T3	Rel5	No	Protocol Standardisation of a SIM Toolkit Interpreter	USAT1-Interpr	TSG	Mon 05/06/00	Fri 22/03/02	69%	No	Yes	27.103	28/5/2001: T3-19 proposed that since the stage 2 and 3 will not be presented to TP-12 for approval as expected, the WI will be moved to rel-5, with completion expected at TP-13.	Michael Meyer, G & D

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1802	WG T3	NA	Yes	UICC API	USAT1-API		Mon 25/09/00	Fri 28/09/01	7%	No	No		8/3/2001: test spec is based on R99 core spec, so deleted from Workplan	
2031	WG T3	Rel5	No	C SIM API	USAT1-API-MULTOS	TSG	Mon 25/09/00	Fri 28/09/01	7%	Yes	Yes			
1571	WG SA3	NA	No	Security enhancements [in progress]	SEC1	TSG	Mon 03/01/00	Fri 28/06/02	43%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
1583	WG SA3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing	
1594	WG SA3	Rel5	No	CHECK STATUS - Visibility and Configurability of security	SEC1-VCS	TSG	Mon 03/01/00	Fri 15/03/02	60%	Yes	Yes		CR approved at SA3#21 awaiting comments from CN1.	Sébastien Nguyen Ngoc, France Telecom
1576	WG SA3	Rel5	Yes	Network domain security	SEC1-NDS	TSG	Mon 21/02/00	Fri 28/06/02	43%	Yes	Yes		S3#17: All due in Rel5. (WI Update at S3#18). Replaced by NDS-IP and NDS-MAP	Geir M. Køien, Telenor
33003	WG SA3	Rel5	Yes	Rel-6 MAP application layer security	SEC1-MAPAL	TSG	Mon 21/02/00	Fri 07/06/02	28%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing	
1142	WG SA5	NA	No	Charging and OAM&P [in progress]	OAM	TSG	Mon 10/09/01	Fri 28/06/02	84%	No	No	32-series	az: WID appr.SA#13.	Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
35002	WG SA5	Rel5	No	Rel5 Principles, high level Requirements and Architecture	OAM-AR/PR	TSG	Mon 17/09/01	Fri 28/06/02	100%	Yes	Yes	32.101, 32.102	az: WID appr.SA#13.	Michael TRUSS (Motorola), Tommy BERGGREN (Telia AB)
35003	WG SA5	Rel5	No	Rel5 Performance Management	OAM-PM	TSG	Mon 17/09/01	Fri 28/06/02	95%	No	No	32.4xy, 52.402	az: WID appr.SA#14.	Karl-Heinz NENNER (T-Mobil)
35004	WG SA5	Rel5	No	Rel5 Charging Management	OAM-CH	TSG	Mon 10/09/01	Fri 28/06/02	80%	No	No	32.2xy (Charging)	az: WID appr.SA#14.	Karl-Heinz NENNER (T-Mobil)
35001	WG SA5	Rel5	No	Network Infrastructure Management	OAM-NIM	TSG	Fri 21/09/01	Fri 28/06/02	60%	No	No	32.6xy, 32.3xy	az: WID appr.SA#13.	Thomas TOVINGER (Ericsson)
2243	WG SA2	Rel5	No	Intra Domain Connection of RAN Nodes to Multiple CN Nodes	IUFLEX	TSG	Mon 03/01/00	Fri 19/04/02	91%	No	No	23.236	No clear indication on the end date. Put to Rel5 by AS.	Stephen Terrill, Ericsson
2320	TSG GERAN	Rel5	No	GERAN improvements 3 (new transport layer on interface A)	GEIMP3	TSG	Mon 06/11/00	Fri 19/04/02	7%	No	No		BellSouth, Vodafone, Mannesmann, Telia, T-Mobil	Alain Ohana, BellSouth

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2392	TSG GERAN	Rel5	No	GERAN enhancements for streaming services 1			Mon 06/11/00	Fri 19/04/02	15%	No	No			
2396	TSG GERAN	Rel5	No	GERAN enhancements for streaming services 2			Mon 06/11/00	Fri 19/04/02	11%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola, Vodafone	Frank Muller, Ericsson
2412	"TSG GERAN; WG RAN3"	Rel5	No	GERAN/UTRAN interface evolution 1 (evolution of Iu PS)			Mon 06/11/00	Fri 15/03/02	43%	No	No		SBC, Motorola, Nokia, Ericsson, Nortel	Marc Grant , SBC
2416	"TSG GERAN; WG RAN3"	Rel5	No	GERAN/UTRAN interface evolution 2 (evolution of Iu CS)			Mon 06/11/00	Fri 19/04/02	28%	No	No			
2520	WG SA5	Rel5	No	User Equipment Management	UEM	TSG	Thu 21/06/01	Fri 28/06/02	80%	No	No		az: SA#15 - 99%->80% achievement. New work identified by T2-SWG2	John Mudge (Vodafone)
35000	WG SA5	Rel5	No	FS on User Equipment (UE) Management	OAM-UEM	TSG	Thu 21/06/01	Fri 28/06/02	80%	No	No	32.802	az: SA#15 - Identified further work with T2-SWG2. Delayed 02/02->06/02.	John Mudge (Vodafone)
2556	WG SA2	Rel5	No	End to End QoS for PS Domain including IMS	E2EQoS	TSG	Mon 28/08/00	Fri 28/06/02	79%	No	No			Johnson Oyama, Ericsson
2569	WG T2	Rel5	No	Messaging enhancements Rel-5	MESS5	TSG	Fri 15/06/01	Fri 07/06/02	89%	No	Yes		support of UAProf, so this in my opinion is 100% complete	
2571	WG T2		No	Multimedia Messaging (MMS) enhancements	MESS5-MMS	TSG	Fri 15/06/01	Fri 07/06/02	94%	No	Yes			Josef Laumen, Siemens
31000	WG SA1	Rel5	No	Definition of service requirements	MESS5-SR		Fri 15/06/01	Fri 15/03/02	90%	No	No	22.140		Josef Laumen, Siemens
50001	TSG GERAN	Rel5	No	GERAN Inter BSC NACC improvements over the Gb Interface			Mon 03/09/01	Fri 19/04/02	38%	No	No			
50033	TSG GERAN	Rel5	No	Enhanced Power Control	EPC		Mon 26/11/01	Fri 28/06/02	2%	No	No			
50037	TSG GERAN	Rel5	No	8PSK AMR HR	8PSK-AH		Mon 10/12/01	Fri 28/06/02	4%	No	No			
50041	TSG GERAN	Rel5	No	Uplink TDOA feasibility study	TDOAF		Mon 03/01/00	Mon 03/01/00	0%	No	No			
13000	WG CN3	Rel5	No	Service Change and UDI Fallback	SCUDIF	WG	Mon 08/10/01	Fri 08/03/02	90%	No	No	29.007, 27.001, 24.008	[DAB - 14/02/02] - % complete to 90%, (will be complete with approval of CRs in NP#15)	Rune Werner Wiik, Ericsson AS
30001	Generic	Rel5	No	small Technical Enhancements and Improvements for Rel5	TEI5	TSG	Mon 25/12/00	Fri 22/03/02	100%	Yes	Yes		"""Joker"" WI, to be used for a Rel 5 CR not related to any feature and with very limited impact on the system"	
31013	WG SA1	Rel6	No	UE Functionality Split	UESPLIT	TSG	Mon 03/01/00	Mon 10/06/02	0%	No	No			Sanjay Gupta, Motorola

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
31021	WG SA1	Rel5	No	Technical Report	UESPLIT-TR		Mon 03/01/00	Mon 03/01/00	0%	No	No			Sanjay Gupta, Motorola
401637	WG SA1	NA	Yes	Rel-4 OSA enhancements	OSA1	TSG	Tue 11/07/00	Fri 07/06/02	84%	No	No	22.127, 23.127, 29.198-x, 29.998-x		Jörg Swetina, SIEMENS AG
401424	WG SA2	Rel5	No	CHECK STATUS - Interactions OSA - e-commerce	OSA1-ECOM	TSG	Tue 11/07/00	Fri 07/06/02	85%	No	No		az: CN#13 - changed to Rel5	
401786	WG SA1	Rel5	No	CHECK STATUS - LCS - OSA interfaces	OSA1-LCSI	TSG	Mon 11/09/00	Fri 07/06/02	70%	No	No		az: CN#13 - changed to Rel5	Jörg Swetina, SIEMENS AG
401571	WG SA3	NA	No	Rel-4 Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 15/03/02	77%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
1583	WG SA3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing	
1594	WG SA3	Rel5	No	CHECK STATUS - Visibility and Configurability of security	SEC1-VCS	TSG	Mon 03/01/00	Fri 15/03/02	60%	Yes	Yes		CR approved at SA3#21 awaiting comments from CN1.	Sébastien Nguyen Ngoc, France Telecom

Annex I: Current content of Release 6, extracted from the Project Plan - version 02/03/25

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1216	TSG RAN	NA	Yes	Improvements of Radio Interface [in progress]	RInImp	TSG	Mon 19/06/00	Mon 30/06/03	38%	No	No			
2468	WG RAN1	Rel6	No	Multiple Input Multiple Output antennas (MIMO)	RInImp-MIMO	TSG	Fri 16/03/01	Tue 11/03/03	12%	No	No			Howard Huang, Lucent
24003	WG RAN4	Rel6	No	FS for the viable deployment of UTRA in additional and diverse spectrum arrangements	RInImp-UMTSBands	TSG	Fri 21/09/01	Fri 21/06/02	10%	No	No			Peter Ståhlfjäll, Ericsson
9	TSG RAN	NA	Yes	RAN improvements [in progress]	RANimp	TSG	Mon 21/08/00	Mon 30/06/03	49%	No	No			
23005	WG RAN3	Rel6	No	Improvement of RRM across RNS and RNS/BSS	RRM1		Mon 25/03/02	Wed 22/01/03	0%	No	No			Woonhee Hwang, Nokia
0		Rel6	No	IMS Phase 2			Mon 28/08/00	Fri 28/03/03	44%	No	No		Not yet available: verbally approved at SA15, actual WID to be provided at SA16 by Lucent	
32015	WG SA2	Rel6	No	Radio optimisation impacts on PS domain architecture		TSG	Mon 10/12/01	Fri 14/06/02	5%	No	No			
2048	WG CN3	Rel6	No	Interworking between IMS and IP networks	IMS-CCR-IWIP	TSG	Mon 28/08/00	Fri 28/03/03	34%	No	No	23.821, 29.061, 29.162	[DAB 14.02.02] - end date pushed back to March 2003	Nigel Holland, BT
1652	WG CN1	Rel6	Yes	Emergency call enhancements [in progress]	EMC1	WG	Mon 03/01/00	Fri 28/03/03	16%	Yes	No			Mr Rouzbeh, Ericsson
1653	WG CN1	Rel6	No	For IP & PS based calls	EMC1-PS	TSG	Mon 03/01/00	Fri 28/03/03	16%	Yes	Yes		5/11 Per: This BB is considered between 10-60% ready depending on how the requirements differ from basic call. What is the new target release,-Rel-6?	Mr Rouzbeh, Ericsson
1571	WG SA3	NA	No	Security enhancements [in progress]	SEC1	TSG	Mon 03/01/00	Fri 28/06/02	43%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
2026	WG SA3	Rel6	No	Enhanced HE control of security (including positive authentication reporting)			Wed 03/01/01	Fri 14/06/02	0%	No	No		Added by P-000575 without any dates. 18/10/00: Change of WI title, added hyperlink rapporteur new end date 03/01. New end date and correct Release to be decided S3#18	Peter Howard, Vodafone
1365	WG SA1	Rel6	No	Support of Push Services	PUSH	TSG	Wed 03/01/01	Fri 14/06/02	53%	Yes	Yes		AS: Changed from FS to actual support of Push	Yoshinori Kitada, NTT Comware

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
42005	WG T2	Rel6	No	Rel-6 MExE enhancements	MEXE6	TSG	Fri 08/03/02	Mon 07/07/03	0%	No	Yes			
2062	WG SA5	Rel6	No	Subscription Management	SM	TSG	Fri 29/12/00	Fri 20/12/02	25%	No	Yes	32.140 (Stage 1 only)	az: SA#15 - Moved to Rel-6 as Stage 2/3 not avail & linkage to GUP which is also moved to Rel-6.	Geoffrey CARYER (BT)
2499	WG SA1	Rel6	No	Support of Presence Capability	PRESNC	TSG	Mon 19/03/01	Thu 12/12/02	31%	No	No			Mark Cataldo, Motorola
2527	WG SA2	Rel6	No	Emergency calls without UICC/SIM in netw. with IMS			Mon 18/03/02	Fri 14/03/03	0%	No	No		Per 30/5: This WID was approved in SA#11 as a feature. SA2 work on 23.221, 23.060 and 23.228 is targeted for TSG#13. The stage 3 work (mostly CN1?) is targeted for TSG#15 (March 2002)	
35009	WG SA5	Rel6	No	Trace Management	Trace Mg	TSG	Thu 15/11/01	Fri 28/06/02	60%	No	No	32.108	az: SA#15 - Work identified in other WGs that cannot be completed in Rel-5. Move the Feature to Rel-6 in 06/02 ?	Karl-Heinz NENNER (T-Mobil)
2544	WG SA1	Rel6	No	Multimedia Broadcast and Multicast Service	MBMS		Fri 11/05/01	Tue 30/09/03	27%	No	No		Title renamed at SA#13	
31006	WG SA1	Rel6	No	Speech Recognition and Speech Enabled Services	SRSES	TSG	Mon 08/10/01	Fri 14/03/03	23%	No	No			
31008	WG SA1	Rel6	No	Generic User Profile	GUP	TSG	Mon 08/10/01	Tue 10/06/03	24%	No	No			
31010	WG SA1	Rel6	No	Digital Rights Management	DRM	TSG	Mon 08/10/01	Mon 14/10/02	15%	No	No		Foreseen start and completion dates introduced by MCC (no indication at all on the WID)	
31012	WG SA1	Rel6	No	FS on WLAN-UMTS Interworking	WLAN	TSG	Mon 03/01/00	Wed 25/12/02	45%	No	No			Fredric Paint, Telenor
31015	WG SA1	Rel6	No	Priority Service	PRIOR		Mon 03/01/00	Fri 14/06/02	38%	No	No			
31018	WG SA1	Rel6	No	Network Sharing	NTShar		Wed 14/11/01	Fri 14/06/02	10%	No	No			
30000	TSG SA	Rel6	No	FS on Priority Service	AxsClas	TSG	Mon 08/10/01	Fri 21/06/02	0%	No	No			Biplab K. Pramanik, Telcordia Technologies
31013	WG SA1	Rel6	No	UE Functionality Split	UESPLIT	TSG	Mon 03/01/00	Mon 10/06/02	0%	No	No			Sanjay Gupta, Motorola
32016	WG SA2	NA	Yes	QoS Improvements	QoS1	TSG	Mon 03/01/00	Mon 03/01/00	0%	No	No			
32017	WG SA2	Rel6	No	Dynamic Policy control enhancements for end-to-end QoS	QoS1	TSG	Mon 03/01/00	Mon 03/01/00	0%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
33002	WG SA3	Rel6	No	Support for subscriber certificates	SEC1-SC	TSG	Mon 25/02/02	Thu 12/09/02	0%	No	No	33.102	Approved at SA#14. This may require BBs from CN1, CN4, SA5 and T3	Valtteri Niemi, Nokia
15010	WG SA1	Rel6	No	Rel-6 OSA enhancements	OSA3	TSG	Thu 14/03/02	Fri 20/12/02	0%	No	No	22.127, 29.198, 29.998	az: SA#15 approved WID.	Jörg Swetina, SIEMENS AG
23004	WG RAN3	Rel6	No	Shared Network support in connected Mode	NETSHARE		Mon 03/12/01	Wed 03/07/02	0%	No	No			Martin Israelsson, Ericsson
31022	WG SA1	Rel6	No	IMS Messaging	IMSM	TSG	Thu 14/03/02	Mon 17/03/03	0%	No	No			Juha Kalliokulju (Nokia)
31025	WG SA1	Rel6	No	IMS Group Management	IMSGM	TSG	Thu 14/03/02	Mon 09/12/02	0%	No	No			Juha Kalliokulju (Nokia)
31027	WG SA1	Rel6	No	Rel-6 Open Service Access	OSA6	TSG	Thu 14/03/02	Mon 17/03/03	0%	No	No	22.127, 23.127, 29.198, 29.998		Jörg Swetina (Siemens AG)
31028	WG SA1	Rel6	No	Presence Service Enhancements	PRES1	TSG	Thu 14/03/02	Mon 17/03/03	0%	No	No	22.141		Mark Cataldo (Openwave Systems)